

20021122.qrp v02_n747.qrl.20021122

Date: Fri, 22 Nov 2002 19:03:12 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2747

QRP-L Digest 2747

Topics covered in this issue include:

- 1) [140582] MFJ Mini Tuner SOLD
by NV9Z@aol.com
- 2) [140583] Fwd: [Boatanchors] TEK scope & cart, HP Counter for sale
by Ed Tanton <n4xy@earthlink.net>
- 3) [140584] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 4) [140585] Prelim Results ARRL - SS - SSB QRP
by alan.kaul@att.net
- 5) [140586] Re: Preparing copper clad board for Sidekick?
by "Lee Mairs" <lmairs@direcway.com>
- 6) [140587] MP+ Receiver/Mixer update
by "w8diz" <w8diz@fpqrp.com>
- 7) [140588] Fox: Hey Y'all Hounds! Are you ready for the hunt???
by Tom and Betty Jennings <jennings@eznet.net>
- 8) [140589] QRP Items For Sale
by "Jim" <ku4qw@yahoo.com>
- 9) [140590] Re: Preparing copper clad board for Sidekick?
by "John McClain" <digi2@earthlink.net>
- 10) [140591] FOX BAD!
by "Karl F. Larsen" <k5di@zianet.com>
- 11) [140592] Got ET.....
by Fred Lesnick <flesnick@tbaytel.net>
- 12) [140593] Re: WTB: Riding The Airwaves With Alpha And Zulu
by "Robert M. Kimbrell" <kimbrell@sdf.lonestar.org>
- 13) [140594] FS/T Ten Tec Delta II
by "NZ8J" <nz8j@woh.rr.com>
- 14) [140595] FOX Got him?
by "Karl F. Larsen" <k5di@zianet.com>
- 15) [140596] Re: FOX BAD!
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 16) [140597] FOX: Twofer
by "Tom Palmer" <n1tp@swfla.rr.com>
- 17) [140598] Fox! Got him!
by "TC Dufresne" <tdufresne@neb.rr.com>
- 18) [140599] KV2X
by Fred Lesnick <flesnick@tbaytel.net>
- 19) [140600] QRP+ mixer SBL-1 replacement?

- by Scott Gregson <emtech@steadynet.com>
- 20) [140601] FOX- Nothing Heard Here
by Kevin L Anderson <k9iua@juno.com>
- 21) [140602] Foxii
by "Bob Schreibmaier" <k3ph@ptd.net>
- 22) [140603] SOLD - Ten-Tec Omni A, series B Transceiver
by "Dave Redfearn" <n4elm@attbi.com>
- 23) [140604] The 160 M Marconi antenna and WEB info.
by Dennis Blanchard <k1ypp@yahoo.com>
- 24) [140605] FOX BAD!
by Michael Taddeo <mike.taddeo@shaw.ca>
- 25) [140606] EPIPHYTE 3 CASE ENCLOSURE HELP.....
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
- 26) [140607] Stink-o Solar Numbers...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 27) [140608] Got Tom at 0328 KV2X
by Fred Lesnick <flesnick@tbaytel.net>
- 28) [140609] FOX: ET OK, but no KV2X
by W2AGN <w2agn@w2agn.net>
- 29) [140610] 40m is long tonight
by Paul Womble <pwomble1@tampabay.rr.com>
- 30) [140611] Fox: KV2X
by "Bob Schreibmaier" <k3ph@ptd.net>
- 31) [140612] FOX: Good news and bad news
by "Jason Hissong" <jhisson1@columbus.rr.com>
- 32) [140613] Re: Twofer
by "George, W5YR" <w5yr@att.net>
- 33) [140614] Re: Predicting Switching PS Noise ?
by "Walt Amos K8CV" <waltk8cvamosqrp@earthlink.net>
- 34) [140615] Re: ET OK, but no KV2X
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 35) [140616] Re: FOX BAD!
by "George, W5YR" <w5yr@att.net>
- 36) [140617] NT: FOXII hunt = SKUNKED
by Wayne Scace <k9di@earthlink.net>
- 37) [140618] Re: No Excuses Transciever
by Larry Przyborowski <k3peg@comcast.net>
- 38) [140619] FOX: Both caught in AZ
by "Thomas Kuehl" <ac7a@earthlink.net>
- 39) [140620] Re: Twofer
by Bruce Rattray <rattray@gpfn.sk.ca>
- 40) [140621] FS ZM2
by <jfox6@houston.rr.com>
- 41) [140622] Re: FOX: Good news and bad news
by Dave Gingrich K9DC <gingrich2@dcg.org>
- 42) [140623] Re: ET OK, but no KV2X
by Bruce Rattray <rattray@gpfn.sk.ca>
- 43) [140624] FOX: HAY Y'ALL HOUNDS WATCH OUT FER KV2X FOX!!

- by Dave Gingrich K9DC <gingrich2@dcg.org>
- 44) [140625] results of K2 transmit tests at low supply voltages
by Wayne Burdick <n6kr@elecraft.com>
- 45) [140626] Re:ET OK, but no KV2X
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 46) [140627] Fox: KV2X Log and report...
by Tom and Betty Jennings <jennings@eznet.net>
- 47) [140628] This antenna design program runs on a Pocket PC!
by Jeff <fantbb@yahoo.com>
- 48) [140629] Date codes on TMC IC's
by Jeff Furman <jfurman@ocs.net>
- 49) [140630] Re: Preparing copper clad board for Sidekick?
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 50) [140631] PDAs
by Bruce Rattray <rattray@gpfn.sk.ca>
- 51) [140632] Lost Time?
by Joseph Mikuckis <k3chp@erols.com>
- 52) [140633] Re: FOX: Good news and bad news
by "Jason Hissong" <jhisson1@columbus.rr.com>
- 53) [140634] Re: FOX BAD!
by "Karl F. Larsen" <k5di@zianet.com>
- 54) [140635] FOX: KV2X Log
by "Tom Palmer" <n1tp@swfla.rr.com>
- 55) [140636] Re: FOX: KV2X Log
by Chuck Carpenter <w5usj@9plus.net>
- 56) [140637] Re: FOX: KV2X Log
by "Jason Hissong" <jhisson1@columbus.rr.com>
- 57) [140638] Re: FOX: Good news and bad news
by "Tom Palmer" <n1tp@swfla.rr.com>
- 58) [140639] [CONTEST] N2CQ QRP Contest Calendar Nov 22 - Dec 5, 2002
by "Ken Newman" <n2cq@dandy.net>
- 59) [140640] Re: FOX BAD!
by "Karl F. Larsen" <k5di@zianet.com>
- 60) [140641] Re: FOX: KV2X Log
by "Karl F. Larsen" <k5di@zianet.com>
- 61) [140642] Re: QST Article Selection.
by Alex <kr1st@amsat.org>
- 62) [140643] CY0MM
by "Tom Palmer" <n1tp@swfla.rr.com>
- 63) [140644] Tuner needed.
by Wayne Scace <k9di@earthlink.net>
- 64) [140645] FS QRP rig
by IamSF5@aol.com
- 65) [140646] Re: [fpqrp] Truffle Hunt reassignment for tonight
by Macstein@aol.com
- 66) [140647] ZM-2 ATU
by <jfox6@houston.rr.com>
- 67) [140648] HELL mode and future QRP

by <stanw@toxso.com>
68) [140649] Re: FOX: KV2X Log
by "Tom Palmer" <n1tp@swfla.rr.com>
69) [140650] Re: 40m is long tonight
by "Stephen King" <frstephenk@stfrancishigh.org>
70) [140651] Re: [fpqrp] Truffle Hunt reassignment for tonight
by Macstein@aol.com
71) [140652] Re: FOX: KV2X Log
by W2AGN <w2agn@w2agn.net>
72) [140653] Re:ET OK, but no KV2X
by "Tom Palmer" <n1tp@swfla.rr.com>
73) [140654] Re: [Re: QST Article Selection.]
by <mgoins@usa.net>
74) [140655] Re: FOX: KV2X Log
by Bruce Ratray <ratray@gpfn.sk.ca>
75) [140656] Re: Preparing copper clad board for Sidekick?
by John Zaruba <jzaruba@mac.com>
76) [140657] "Hidden" antennas
by "Gene A. Williamson" <genewill@ordata.com>
77) [140658] W1RFI promotes QRP -- again! :-)
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
78) [140659] Re: FOX: KV2X Log
by W2AGN <w2agn@w2agn.net>
79) [140660] Re: [Re: QST Article Selection.]
by W2AGN <w2agn@w2agn.net>
80) [140661] XT2DX
by "Joe W2KJ" <w2kj@bellsouth.net>
81) [140662] Re: "Hidden" antennas
by sjolin@swbell.net
82) [140663] Re: "Hidden" antennas
by "chistrask" <chistrask@earthlink.net>
83) [140664] Re: KV2X Log
by "George, W5YR" <w5yr@att.net>
84) [140665] Re: Preparing copper clad board for Sidekick?
by "Brice D. Hornback" <bdh@cyberbound.net>
85) [140666] Re: [Re: QST Article Selection.] - QQ
by William R Colbert <w5xe@juno.com>
86) [140667] D44TD ...700 mw ...28024 !!!!
by "George Osier" <gosier@twcny.rr.com>
87) [140668] FOX: Quick Report from ET
by "Marshall Emm" <mgemm@mtechnologies.com>
88) [140669] OT: HEX Beam
by ARDUJENSKI@aol.com
89) [140670] RE: Predicting Switching PS Noise ?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
90) [140671] Re: Preparing copper clad board for Sidekick?
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
91) [140672] Re: FOX: KV2X Log

- by Al Scanandoah <k2zn@rochester.rr.com>
- 92) [140673] Chuck Adams Method of Preparing IC Pads
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 93) [140674] Re: QRP+ mixer SBL-1 replacement?
by Scott Gregson <emtech@steadynet.com>
- 94) [140675] Re: FOX: KV2X Log
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 95) [140676] New Small Wonder's kit group on Yahoo!
by "Bert Herald" <wf7i@hotmail.com>
- 96) [140677] New Small Wonder's kit group on Yahoo!
by "Bert Herald" <wf7i@hotmail.com>
- 97) [140678] Re: W1RFI promotes QRP -- again! :-)
by Paul Womble <pwomble1@tampabay.rr.com>
- 98) [140679] Elecraft K2/100 CQ Mag. Review Available (.pdf)
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 99) [140680] RE: [CQ WW DX CW Contest this weekend!]
by "Sverre Holm - LA3ZA" <la3za@qsl.net>
- 100) [140681] Re: FOX: KV2X Log
by W2AGN <w2agn@w2agn.net>
- 101) [140682] Re: Preparing copper clad board for Sidekick?
by "John McClain" <digi2@earthlink.net>
- 102) [140683] Re: New Small Wonder's kit group on Yahoo!
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 103) [140684] Re: [CQ WW DX CW Contest this weekend!]
by George Fremin III - K5TR <geoiiii@kkn.net>
- 104) [140685] Help - oil burner RFI
by Lloyd Lachow <llachow@yahoo.com>
- 105) [140686] Re: No Excuses Traqnsceiver
by George Gingell <k3tks@u1.abs.net>
- 106) [140687] Re: New Small Wonder's kit group on Yahoo!
by "John McClain" <digi2@earthlink.net>
- 107) [140688] FS: Ten-Tec Scout 555 With Modules
by "Robin Kidd" <robink@us.ibm.com>
- 108) [140689] Re: Lost Time?
by Ed Tanton <n4xy@earthlink.net>
- 109) [140690] RE: W1RFI promotes QRP -- again! :-)
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 110) [140691] Re: New Small Wonder's kit group on Yahoo!
by Glen Reid <k5fx@arrl.net>
- 111) [140692] NorCal Toroid and NorCal NorEaster Kits all spoken for.
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 112) [140693] Re: New Small Wonder's kit group on Yahoo!
by Bill ROWLETT <kc4atu@yahoo.com>
- 113) [140694] Keeping QRP related stuff here on QRP-L
by "w8diz" <w8diz@fpqrp.com>
- 114) [140695] Re: NorCal Toroid and NorCal NorEaster Kits all spoken for.
by "w8diz" <w8diz@fpqrp.com>
- 115) [140696] RE: New Small Wonder's kit group on Yahoo!

by "KD5NWA" <KD5NWA@mbayona.com>
116) [140697] RE: W1RFI promotes QRP -- again! :-)
by Ed Tanton <n4xy@earthlink.net>
117) [140698] RE: Help - oil burner RFI
by "KD5NWA" <KD5NWA@mbayona.com>
118) [140699] Simplest PIC programmer?
by "Leon Heller" <leon_heller@hotmail.com>
119) [140700] RE: Help - oil burner RFI & An Alternative
by Karl Kanalz <kkanalz@gcecispc.com>
120) [140701] RE: QQ Delivery....
by Karl Kanalz <kkanalz@gcecispc.com>
121) [140702] RE: Help - oil burner RFI & An Alternative
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
122) [140703] RE: Help - oil burner RFI
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
123) [140704] RE: W1RFI promotes QRP -- again! :-)
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
124) [140705] (no subject)
by AC5JH@aol.com
125) [140706] Re: Help - oil burner RFI
by Thom LaCosta <baltimoremd@baltimoremd.com>
126) [140707] Furnace RFI
by Pete Burbank <plburbank@kih.net>
127) [140708] Re: Help - oil burner RFI
by "carl seyresdahl" <carlseye@tampabay.rr.com>
128) [140709] RE: No Excuses Transceiver
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
129) [140710] RE: Furnace RFI
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
130) [140711] RE: FOX: KV2X Log
by "Dave Richards" <wr3i@earthlink.net>
131) [140712] Re: Help - oil burner RFI & An Alternative
by "Lee Mairs" <lmairs@direcway.com>
132) [140713] Re: Furnace RFI
by IamSF5@aol.com
133) [140714] Re: Help - oil burner RFI & An Alternative
by Al Scanandoah <k2zn@rochester.rr.com>
134) [140715] Hy-Gain 18V-S Vertical Antenna Question (semi-long)
by "William Phinizy" <k6whp@verizon.net>

Date: Thu, 21 Nov 2002 19:03:23 EST
From: NV9Z@aol.com
To: qrp-l@lehigh.edu
Subject: [140582] MFJ Mini Tuner SOLD
Message-ID: <f.2c0e07f.2b0ece4b@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The MFJ-16010 mini tuner has been sold. Thanks to all who responded to my posting.

72 de Chris NV9Z QRP-L #2370

Date: Thu, 21 Nov 2002 19:18:48 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: qrp-L Reflector <qrp-l@lehigh.edu>
Subject: [140583] Fwd: [Boatanchors] TEK scope & cart, HP Counter for sale
Message-ID: <5.2.0.9.2.20021121190734.01e047e8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Delivered-To: boatanchors@mailman.qth.net
From: "Jerry Kincade" <w5kp@direcway.com>
To: "boatanchors" <boatanchors@mailman.qth.net>
X-Mailer: Microsoft Outlook Express 6.00.2800.1106
Subject: [Boatanchors] TEK scope & cart, HP Counter for sale
Sender: boatanchors-admin@mailman.qth.net
X-BeenThere: boatanchors@mailman.qth.net
X-Mailman-Version: 2.0.8
List-Help: <mailto:boatanchors-request@mailman.qth.net?subject=help>
List-Post: <mailto:boatanchors@mailman.qth.net>
List-Subscribe: <http://mailman.qth.net/mailman/listinfo/boatanchors>,
<mailto:boatanchors-request@mailman.qth.net?subject=subscribe>
List-Id: Discussion of Boatanchors <boatanchors@mailman.qth.net>
List-Unsubscribe: <http://mailman.qth.net/mailman/listinfo/boatanchors>,
<mailto:boatanchors-request@mailman.qth.net?subject=unsubscribe>
List-Archive: <http://mailman.qth.net/pipermail/boatanchors/>
Date: Thu, 21 Nov 2002 17:48:09 -0600

I upgraded my shop a while back, time to clean out some of the older stuff:

Tektronix 7603 100 mhz scope, previously owned by NASA Labs. NASA Cal Lab sticker expired Nov 2000. Good condition, works perfectly, comes complete with one TEK 7A18N Dual-trace vertical plug-in, a brand new TEK 7B53A Delayed/Delaying Horizontal plug-in, TEK blank plate for the empty plug-in slot, and a full set of new original TEK manuals covering the scope mainframe and both plug-in modules. No probes are included. \$300 plus actual shipping cost from 73064. Heck, the manuals are worth half of that. Not super heavy, but it won't be an inconsequential shipping charge, either. This is a good reliable scope, I used it for two years prior to recently getting my new scope.

TEK tilting-type shop cart w/drawer and locking wheels. This is the narrow model, built for the 7600 series scopes by TEK. \$100 plus shipping (it knocks down flat).

HP 5328A 512 MHz Counter. Looks good, very accurate, works perfectly. Has Option H99 (military case with snap-on front cover, cover is included but no HP accessories are in it) and Option 011 (HPIB Interface). Has ovenized crystal oscillator HP P/N 10811-60111 installed. I don't know if this is the "high stability" time base or not - I thought it was. But the chassis does not have "Option 010" on the back, so maybe not. A fine bench counter. \$125 plus shipping.

Please reply direct to w5kp@direcway.com

Thanks

Jerry W5KP Mustang, OK

Boatanchors mailing list
Boatanchors@mailman.qth.net
<http://mailman.qth.net/mailman/listinfo/boatanchors>

This is an OK deal on the 'scope (I'd try for a little better price-considering "no probes" say \$225 and haggle from there. The new time-base is nice, but it'd have to be in terrific shape for the full price.) The 7603 is a GREAT 'scope. Or maybe, if you think you need the cart, get it (partially) thrown in, or something.

And the '5328A is a fine counter. (My own bench counter in fact.) Maybe haggle on the counter's-shipping or something... but a decent enough price for excellent shape/etc.

I have no connection at all to Jerry, but really like the 7603-series, as well as the '5328A.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 21 Nov 2002 18:32:21 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [140584] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0211211823410.22366-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #5 - NOUR -

Burbank Wrecking Crew - 16

Cheeseheads - 22

Michael - K6MMC
Todd - AG0T *
Don - KC2CK *
Woody - WD9F
Trev - KG6CYN

Jerry - N9AW *
Jim - WA9TZE *
Lon - W9XU
Rick - NK9G
Glenn - WE9K

NE-TX Tornados - 24

p-Shooters - 9

Chuck - W5USJ *
Bill - K5JHP * Clean
Don - K5DW * Sweep
Doc - W5TB *
George - W5YR *

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB *
Wayne - W5KDJ *
Tony - KB9YIG *

Raiders of the Lost RF - 22

Swamp Rats - 21

Dan - VE6EZ *
Earl - VA6RF *
Fred - VE3FAL
Robert - VE6JAZ *
Bruce - VE5RC *

Larry - N2WW *
ET - N1FN * Clean
Paul - K4FB * Sweep
Doc - K0EVZ *
Tom - N1TP *

K1 K9s - 16

Lloyd - K3ESE *
John - K8HJ *
Ralph - KD1R
Joe - W2RBA *
Alan - N3BJ *

Great Lakers - 16

Mark - K2QO *
Tom - KV2X * Clean
Al - K2ZN * Sweep
Bill - K2TER *
Jeff - VA3JFF *

Aluminum Kings - 15

Bob - N4BP *
Jim - N0UR *
Al - K0FRP
Pat - K0PC *
?

Loco-motives - 13

Frank - K2PQ
Jack - K5FSE *
Jason - N8XE *
Mike - VA6MJT
Wayne - K9DI *

Cajun Thunder -16

Wayne - K5E0A *
Jim - N5IB * Clean
Vern - AA50 * Sweep
Wayne - N5YFC *
Tom - AC5JH *

Underdogs - 23

Dan - N4ROA *
Dave - W0CH * Clean
Ron - KI0II * Sweep
Randy - K7TQ *
Art - KB7WW *

Dust Devils - 16

George - KR5C
Martin - N6LIF
Eric - NM5M *
Dale - K5SR *
Lew - N5ZE *

.please send any changes corrections directly to me...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 22 Nov 2002 00:40:48 +0000
From: alan.kaul@att.net
To: qrp-l@lehigh.edu
Subject: [140585] Prelim Results ARRL - SS - SSB QRP
Message-ID: <20021122004052.NHY21264.mtiwmhc14.worldnet.att.net@mtiwebc37>

>From the 3830-reflector ... here are the claimed scores which have been reported so far from ARRL Sweepstakes SSB...

Single Op QRP

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Call	QSOs	Secs	hr	Score	Club
K9TM	850	80	22	136,000	MRRC
K7MM	772	80		123,520	
K1AM	571	80	24	91,360	YCCC
N0UR	500	77	18	77,000	MWA
N8IE	443	80	22	70,880	
N9NE	432	80	17	69,120	SMC
K8IR	401	80	19	64,160	BAY AREA WIRELESS
WA7LNW	417	76	22	63,384	
W0ETT	396	77	15	60,984	Grand Mesa
N5FPW	311	78	18	48,516	SECC
K3SWZ	264	71	23	37,488	PVRC
WB6BWZ	242	73	21	35,332	SECC
W6RCL	264	66	11	34,848	
NK6A	187	67	7	25,058	
NQ7X	173	66	10	22,836	
K9IUA	127	62		15,748	
N5IA	69	69	6	9,522	
K50T	90	45	2	8,100	
W6UFT(W1HIJ)	72	42	3	6,048	SCCC
KI0II	66	33	3	4,356	Grand Mesa

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--
Alan Kaul, LaCanada, CA 91011
w6rcl@amsat.org
http:
//home.att.net/~alan.kaul/index.html

Date: Thu, 21 Nov 2002 19:54:58 -0500
From: "Lee Mairs" <lmairs@direcway.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [140586] Re: Preparing copper clad board for Sidekick?
Message-ID: <01c601c291c1\$d2d81f50\$3b6d020a@boomer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One other trick:

If you are working on a big project that will take awhile to complete, mask off the non-used portions of the board with paper and tape. That will keep them shiny clean and free of hand oils and other weird stuff that turns bright copper crummy looking.

73 de Lee
KM4YY

----- Original Message -----

From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 21, 2002 6:15 PM
Subject: Re: Preparing copper clad board for Sidekick?

> At 02:30 PM 11/21/02 -0700, John, K7SVV wrote:

>

> >What do you use to prepare copper clad boards for Manhattan projects?

> >The Sidekick's instruction manual says in step 1 to "Clean and polish

> >the PC Board and strips". Do I use an abrasive cleaner or maybe some

> >fine steelwool?

>

> Those will work, but I prefer 3M Scotch Bright scouring pads along

> with a bit of BonAmi cleaner. After a good scrub, rinse off with

> plain tap water, and try to keep your finger prints off the pieces

> as much as possible.

>

> > Once the board and strips are cleaned and polished, I

> >am told to glue the strips to the board which brings up the question,

> >"What kind of glue should I use?".

>

> Super glue. I prefer the thinner varieties, as I think they stick

> the pads down better, but others like the "gel" versions. If the
> pad/strip is stuck properly, you'll have to cut it off to move it.
>
> Also, before gluing a pad or strip, sand the back of it with some
> 220 to 320 grit sandpaper to rough up the fiberglass material. Makes
> the glue hold better.
>
> After attaching the pad, tin with a bit of solder before attaching
> any parts. Excess solder can be wicked off with some solder wick.
>
> > In case you are wondering, this is
> > my first Manhattan project.
>
> GL with building the project John. With a bit of care, you will
> have a very fine looking and performing receiver.
>
> 72,
>
> Jim, K8IQY
>
>
>

Date: Thu, 21 Nov 2002 19:58:00 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <multipigplus@yahoogroups.com>
Cc: <qrp-1@lehigh.edu>, <fpqrp-1@fpqrp.com>
Subject: [140587] MP+ Receiver/Mixer update
Message-ID: <000f01c291c2\$35131080\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

Here is the latest schematic and PCB layout for the Rcvr/Mixer.
Take a hard look at it. This is the most critical part of
the MP+ project. I'll be taking suggestions and correction
until Saturday, at which time I will place an order for
the prototype.

<http://www.kitsandparts.com/rcvr.html>

The Pre_Amp Q1 can be disabled via jumpers. The original MP

always had the preamp enabled. If you plan on jumping back and forth between 160 and 10 meters, the preamp switching could be a pain in the butt. Since this is an experimenters rig, this should not be an issue.

"ALL" Comments/Corrections/Suggestions are welcome!!!
Make your voices heard!!!

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400
<http://kitsandparts.com>

Date: Thu, 21 Nov 2002 20:18:10 -0500
From: Tom and Betty Jennings <jennings@eznet.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [140588] Fox: Hey Y'all Hounds! Are you ready for the hunt???
Message-ID: <3DDD85D2.6040904@eznet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I am !!
gl es 73
Tom

Date: Thu, 21 Nov 2002 20:40:24 -0500
From: "Jim" <ku4qw@yahoo.com>
To: <qrp-l@lehigh.edu>
Subject: [140589] QRP Items For Sale
Message-ID: <000501c291c8\$20da2850\$0100000a@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm trying to raise enough money to buy a FT-707 that someone I know has for sale. So here is what I have to offer.

- 1) Heathkit HW-8, Works GREAT, has a few small scratches.....110.00
- 2) Heathkit HW-7, Works GREAT, has a few scratches.....100.00

3) Heathkit HW-7A, Works and Looks Good.....35.00
4) Techsonic Milliwatt Transmitter Unbuilt Kit 20m.....35.00
5) Norcal 40-9er, I kitted this one myself Unbuilt.....25.00
6) Norcal NC-40a Wilderness Radio w/KC-1 & 10t Pot.....125.00
7) Ten-Tec Argonaut 509 w/208 cw filter Works Great.....195.00
8) Yaesu FT-7 works good Freq doesn't match what you are on again,
unit looks rough but is solid if you can deal with freq being off...150.00

+ around 6.00 shipping on anything 100 or above, 3.85 shipping on others.

Please send any questions, comments, corrections, flames direct to me at
ku4qw@yahoo.com

72,
Jim

Date: Thu, 21 Nov 2002 18:55:05 -0700
From: "John McClain" <digi2@earthlink.net>
To: <digi2@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140590] Re: Preparing copper clad board for Sidekick?
Message-ID: <001f01c291ca\$2e92f740\$6501a8c0@phoenix.speedchoice.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you everyone. I am now well armed and ready to jump into my
Manhattan project but, first, I have one more question. The Sidekick
has a couple of 8 pin chips that use sockets. The instructions say to
cut two 1/2" by 1/2" pads and then to grove each pad into 8 sections
(1 section per pin). This makes good sense but what is the easiest
way to grove the pads? Cutting with a knife is possible and a hacksaw
cut would probably be too wide but I think there must be an easier
way. How would the rest of you do it?

John
K7SVV
k7svv@arrl.net
K1 #1378, K2 #2569, SST 20, Rock Mite 20, Rock Mite 40, Nor'Easter

----- Original Message -----
From: "John McClain" <digi2@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, November 21, 2002 2:30 PM
Subject: Preparing copper clad board for Sidekick?

> What do you use to prepare copper clad boards for Manhattan projects?
> The Sidekick's instruction manual says in step 1 to "Clean and polish
> the PC Board and strips". Do I use an abrasive cleaner or maybe some
> fine steelwool? Once the board and strips are cleaned and polished, I
> am told to glue the strips to the board which brings up the question,
> "What kind of glue should I use?". In case you are wondering, this is
> my first Manhattan project.
>
> John
> K7SVV
> k7svv@arrl.net
> K1 #1378, K2 #2569, SST 20, Rock Mite 20, Rock Mite 40, Nor'Easter
>
>

Date: Thu, 21 Nov 2002 19:21:45 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [140591] FOX BAD!
Message-ID: <Pine.LNX.4.44.0211211915450.2833-100000@Bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy the band is in bad shape tonight! W8PIG was I *think* just above the ARRL 1500 watt beam station that was 579!! I never heard him well enough to call.

Then at 0200 UTC I looked for ET with my low dipole and he was LOUD on 7041. I worked him at 0205 UTC.

I'm down on 7.35.1 now (FT-817 dial) and I can, sometimes hear KV2X Tom about 229 now. I have never copied his call but he sending in a Fox way. I will get set up and hope things improve.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Thu, 21 Nov 2002 21:24:13 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRPL <qrp-1@lehigh.edu>, QRP Canada <qrp-canada@neale.gpfn.sk.ca>
Subject: [140592] Got ET.....
Message-ID: <3DDD954D.392CB3EA@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nailed ET at 0218...He was a 579, but qsb strong, dropping down to 339
at times.....
Lots of flutter and European stations being heard here now over the
pole.....

Fred
VE3FAL
VA6RF heard you work ET as well...

Date: Fri, 22 Nov 2002 02:32:03 +0000 (UTC)
From: "Robert M. Kimbrell" <kimbrell@sdf.lonestar.org>
To: tinman@ptialaska.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [140593] Re: WTB: Riding The Airwaves With Alpha And Zulu
Message-ID: <Pine.NEB.4.44.0211220210150.10890-100000@otaku.freeshell.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 21 Nov 2002 NV9Z@aol.com wrote:

> Subject: WTB: Riding The Airwaves With Alpha And Zulu

That book can be ordered from the ARRL or from World Radio or direct from
the author at:

ABTRONIX
PO Box 220066
Newhall, CA 91322-0066
(661) 222-7384

(661) 222-7385 (FAX)

73 DE W7KU

Bob Kimbrell W7KU Kingman, Arizona
kimbrell@freeshell.org
<http://kimbrell.freeshell.org/>
SDF Public Access UNIX System - <http://sdf.lonestar.org>

Date: Thu, 21 Nov 2002 21:32:08 -0500
From: "NZ8J" <nz8j@woh.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [140594] FS/T Ten Tec Delta II
Message-ID: <009001c291cf\$5b12ed20\$6400a8c0@NZ8J>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like to trade an excellent condition Ten Tec Delta II with a good backlight, box, manual, power cord on a like condition Kenwood TS-50S. The Delta II runs from milliwatts to 100 + watts. I would sell the Delta II for \$450 shipped and insured.

Thanks

Tim

NZ8J

Date: Thu, 21 Nov 2002 19:31:10 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [140595] FOX Got him?
Message-ID: <Pine.LNX.4.44.0211211928590.2833-100000@Bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I think I got KV2X about 0230 U. He needed a fill and I gave it to him and heard tu. But signals are very poor and there is a QRO qso on his frequency now...:-)

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 21 Nov 2002 18:36:58 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140596] Re: FOX BAD!
Message-ID: <009c01c291d0\$080eadc0\$ede3b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ET was strong here, and solid at least a 579. I worked him UP 1.5
KHz...Not a peep out of the other fox yet, still a bit early for NY to
CA. Plus there's a QSO on 7.035 right now...oh well, hope they don't rag
chew for an hour Hi!

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

----- Original Message -----
From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, November 21, 2002 6:21 PM
Subject: FOX BAD!

>
> Boy the band is in bad shape tonight! W8PIG was I *think* just
> above the ARRL 1500 watt beam station that was 579!! I never heard him
> well enough to call.
>
> Then at 0200 UTC I looked for ET with my low dipole and he was
> LOUD on 7041. I worked him at 0205 UTC.
>
> I'm down on 7.35.1 now (FT-817 dial) and I can, sometimes hear
> KV2X Tom about 229 now. I have never copied his call but he sending in
a
> Fox way. I will get set up and hope things improve.
>
> --
>

> - Karl Larsen k5di Las Cruces, NM Az ScQRPions -
>

Date: Thu, 21 Nov 2002 21:43:20 -0500
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [140597] FOX: Twofer
Message-ID: <000501c291d0\$ee13df20\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Bagged a pelt from Tom (KV2X in NY) at 0200 and from ET
(N1FN in Colo.) at 0213.
Usual 0200 UTC pipeline 'tween NY & SW FL. Heard K4FB bag
his pelts. Go "Swamp Rats."

Heard them LOUD "Pesky Texans" - as always. I might bat
1.000 every Hunting Season if each FOX was a "Pesky Texan"
or in Colorado or Missouri.

Tom, N1TP
Naples, FL.

Date: Fri, 22 Nov 2002 02:50:23 -0000
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [140598] Fox! Got him!
Message-ID: <001601c291d1\$e84dcb40\$d3b61c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I heard him a' calling QRZ so I fired a shot with my HW-8 and he came right
back to me.

Got him about 7.037MHz and at 0245z

Gud sigs here in Nebraska

Tom

KC0GXX

Date: Thu, 21 Nov 2002 21:50:18 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRPL <qrp-1@lehigh.edu>, QRP Canada <qrp-canada@neale.gpfn.sk.ca>
Subject: [140599] KV2X
Message-ID: <3DDD9B6A.5048FCFB@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It is 0248 and Tom is calling away like crazy, but no one is answering him, I keep trying but guess he cant hear me yet..Aurora is bad, and the Spanish stations do not help.....Tom is on 7.035.2.....

Fred
VE3FAL

Date: Thu, 21 Nov 2002 18:49:36 -0800
From: Scott Gregson <emtech@steadynet.com>
To: qrp-1@lehigh.edu
Subject: [140600] QRP+ mixer SBL-1 replacement?
Message-ID: <3DDD9B40.2030005@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I just got an inquiry about replacing the SBL-1 mixer on the QRP+. I think I remember that the preferred method was to disassemble the mixer in place and solder the new mixer onto the pins of the old mixer. This was the preferred method because the board is multilayered and it is difficult to remove the old part without ruining the board.

If someone has done this, or had obtained that information from Stan Yarema (or whoever came up with the method) could you please respond with that information or post it directly to the QRP+ forum at:
<http://emtech.steadynet.com/qrpplus>

If you have photos I will post those if you send them to me. I will begin looking through what information I have to see if I can find anything.

Thanks,
~Scott

Date: Fri, 22 Nov 2002 02:48:53 +0000
From: Kevin L Anderson <k9iua@juno.com>
To: qrp-1@lehigh.edu
Subject: [140601] FOX- Nothing Heard Here
Message-ID: <20021122.024858.9918.0.K9IUA@juno.com>

I couldn't turn the radio on until 0230 tonight.
Only heard a few hunters work the two foxes and that's
it. It's 0246 I can't hear either fox or any hunters at all.
So if I didn't know better, I'd swear it was some night
other than Thursday night foxhunt time.
Guess I'll go do other things, like get a night of sleep,
and accept only 3 out of 8 possible pelts so far. Oh well.

Cheers/73,
Kevin, K9IUA

Kevin Anderson, K9IUA, Dubuque, Iowa
K9IUA (at) juno (dot) com Opinions all my own.

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Date: Thu, 21 Nov 2002 21:57:05 -0500
From: "Bob Schreibmaier" <k3ph@ptd.net>
To: <qrp-1@lehigh.edu>
Subject: [140602] Foxii
Message-ID: <002701c291d2\$d6dc0ba0\$be00a8c0@msns.leh.ptd.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Band conditions are really punk in the West End of the
Poconos. Picked up ET without too much trouble, but

Tom is at ESP level. I can tell there is a station there, but can't call, as I wouldn't be able to tell if he came back to me.

Maybe later.

Hope things improve for the weekend!

```
+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net      |
| Kresgeville, PA 18333 | http://home.ptd.net/~k3ph |
+-----+
```

```
-----

Date: Thu, 21 Nov 2002 21:01:18 -0600
From: "Dave Redfearn" <n4elm@attbi.com>
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>,
    "Ten-Tec Mail list \ (E-mail\)" <tentec@contesting.com>
Subject: [140603] SOLD - Ten-Tec Omni A, series B Transceiver
Message-ID: <000001c291d3$6e1bae30$016fa8c0@Pavillion>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
```

SOLD! - Thanks for the response.

Ten-Tec Omni A, Series B
160 - 10 Meter HF Transceiver

73 - Dave

```
=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp
```

```
-----

Date: Wed, 20 Nov 2002 22:08:15 -0500
From: Dennis Blanchard <k1ypp@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [140604] The 160 M Marconi antenna and WEB info.
Message-ID: <3DDC4E1F.9020705@yahoo.com>
```

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Hi Gang:

I sent this once, but it didn't seem to make it. For some number of years, when we operated Jade Products, we made what I believe was one of the best 160M antennas available, particularly for a small lot. Now that we no longer manufacture it, I've put up the info on our home website. It describes how to build such an antenna and also has a theory section on how it works.

If you have room for an 80M antenna, then you have room for this one, in fact, if you have room for a 40M dipole at 55 feet or so, then you have room for this one.

The original design idea came from Bill Orr's wire antenna handbook, I just added some features to make it easy to hang and work with.

If you want a look, go to:

<http://home.attbi.com/~fuzzbeast>

and click on the link for The Marconi Antenna.

Enjoy, and maybe I'll hear some of you on 160M soon. Gee, I even managed to work CY0MM last night on 160, I was QRP, but I'll bet they weren't :>)

72,

Dennis, K1YPP

Hampstead, NH

PS: Yes, it is a 50 Ohm antenna, you don't know how many times I have been asked that question, see the theory section.

Date: Thu, 21 Nov 2002 20:16:05 -0700

From: Michael Taddeo <mike.taddeo@shaw.ca>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [140605] FOX BAD!

Message-ID: <3DDDA175.421C970A@shaw.ca>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7BIT

No conditions here at all. Nothing heard not even a mouse!
But new antenna going up just bought it...

Maybe will help
gl all

"Karl F. Larsen" wrote:

> Boy the band is in bad shape tonight! W8PIG was I *think* just
> above the ARRL 1500 watt beam station that was 579!! I never heard him
> well enough to call.
>
> Then at 0200 UTC I looked for ET with my low dipole and he was
> LOUD on 7041. I worked him at 0205 UTC.
>
> I'm down on 7.35.1 now (FT-817 dial) and I can, sometimes hear
> KV2X Tom about 229 now. I have never copied his call but he sending in a
> Fox way. I will get set up and hope things improve.
>
> --
>
> - Karl Larsen k5di Las Cruces, NM Az ScQRPions -

--

Michael Taddeo
mike.taddeo@shaw.ca
ICQ# 221086
VA6MJT
HTTP://www.apothecarytech.ca/va6mjt

Date: Fri, 22 Nov 2002 03:22:44 -0000
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140606] EPIPHYTE 3 CASE ENCLOSURE HELP.....
Message-ID: <001f01c291d6\$6e1e3ee0\$055bfea9@GM0NWI LAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys...

Here's the story...

Few years back, bought 2 "Epiphyte 3" kits, when the G-QRP club in G-land,

had them on special offer to their respective members....

Have plans to construct them both, one for me, the other for a lucky, unknowing as yet, "mentor" of mine, who has been "instrumental" in helping me through my years, also with things, Ham Radio, Computer related.....Just think it's time he was rewarded, and I show my respect.....

Here's the problem....

What I intended (still do hopefully...) was to construct them both in spare "dead" CB radio "carcasses".....these are old FM rigs, that I got from friends "free gratis",.....want(ed) to make them pretty small, so they looked kinda "neat"...you know what I mean..? Got it all figured out in my head....

"Thing is...." the "carcasses" that I want to use are only the following sizes (inches..) in dimensions respectivley.....-:

Height	1.5"	(or SO....just short of 2 on my measureing tape...)
Width	5"	
Front to Back	7"	

"So you see the predicament I'm in here....."

TRIED.....to write a letter to Derry Spittle VE7QK.....a while back when I had studied them in more depth, about the possibility of making some sort of "Digital Display" for these wonderful creations (I think you'll all agreetheir pretty neat these Epiphytes...), then I realised that their was a "sorta" idea for such a thing in a "follow up" to the release of the EP3's, in the pages of SPRAT.....but have'nt heard if anyone or Derry has actually built a "DD" unit for these rigs...

NEVER DID HEAR ANYTHING FROM DERRY....todate...

Now you might wonder.....why I would want to go to all the bother of building a Digital Display, for the rigs, when no-one else has,or their not needed for this type of rig....etc etc....YADA....YADA..... Well...!! who say's they cant have one...??

I wont give away any of the ideas that I have had in my "tiny little mind" since I got them delivered.....but I've got a pretty neat idea for a nice little "base station" if it comes off...

Can anyone tell me of a board/circuit/parts that would "do the job..." for me..... ?? I have thought about doing the little board that gives out the frequency that the rig is on ...in CW....NOT to inertely happy with that idea, as I'd like to see "numbers".....as would my friend I know, as he HAS'NT passed CW yet, so would only be using the rig on RX....

AND NO....!! Thats NOT an excuse to put in the display that gives it out in CW....(just cause he can't read it.....IT DOES'NT MATTER...) ...of course it does....!!

Any help on where I might go with this is GREATLY appreciated

One LAST thing is that I find as a "newbie constructor" that some of the 7 or 8 segment displays on offer to us for use in our kit building sessions, are to say the least, a little large in physical dimension for some of our "smaller" applications....like this one....If I were to use the ones that I could get (concluding that I manage to get a board for a DD first...) I would have to build the DD an "out board extra" into say, a similar case as the rig, will eventually go....which I suppose is'nt such a bad idea.....except the board I HAVE at the moment for a DD is.....wwwaaaayyyy TO BIG in comparison to the size of the "hopeful" enclosure that I want to use.....

I would prefer to house the DD in the original rig housing that I want to use, along with the EP3 board if possible....

Any ideas.....are greatly received.....on a postcard to the e-mail address below.....

72's & 73's de gm0nwiqrp@btopenworld.com

"

Bada-Bing... Bada-Boom "

Andy

GM0NWI

" It is vain to do with more....

" A

Dis-Orientated Kiwi...."

what can be done with less...."

In The Northern

Hemisphere...."

Date: Thu, 21 Nov 2002 21:22:18 -0600

From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [140607] Stink-o Solar Numbers...

Message-ID: <200211220322.AA01450@bolshoi.cc.misu.nodak.edu>

Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Here's the 0300Z report from Boulder:

>Solar-terrestrial indices for 21 November follow.
>Solar flux 151 and mid-latitude A-index 38.
>The mid-latitude K-index at 0300 UTC on 22 November was 5 (105 nT).
>
>Space weather for the past 24 hours has been strong.
>Geomagnetic storms reaching the G3 level occurred.
>
K-index of 5 is bad ju-ju. Was 4 at 0000Z. Rising trend
equally bad news. No wonder we can't hear anything! :-/

72/73,

Todd, AG0T

Date: Thu, 21 Nov 2002 22:30:19 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRPL <qrp-1@lehigh.edu>, QRP Canada <qrp-canada@neale.gpfn.sk.ca>
Subject: [140608] Got Tom at 0328 KV2X
Message-ID: <3DDDA4CB.4CBBD74F@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Toms signal came up, and the aurora died. Tom is calling CQ now on
7.035.1.....
band is rough.....
BUTTTTTTTTTTTTTTTTTT.....
That is 2 for 2 tonight.....
GO RAIDERS.....

Fred
VE3FAL

Date: Thu, 21 Nov 2002 22:35:01 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [140609] FOX: ET OK, but no KV2X
Message-ID: <3DDD5F95.10088.148452B@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Got ET OK, but skip too long for NY. Occasionally hear him at ESP levels, but no copy. CA, NM and other West Coast stations coming in strong. Would be a good night for a West Coast fox from here. Wonder if Karl will hear me next week?

+-----+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Thu, 21 Nov 2002 22:50:14 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [140610] 40m is long tonight
Message-ID: <3DDDA975.17A9EED1@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Someone posted to Dx Summit that 40m sounds like 20m tonight. The band is open but is long.

I got both foxii early then dropped down to the low end of 40 and was able to bag several DX stations through sizable pileups.

Hopefully 40m will continue to be that way this weekend for the CQWW contest. I'm shooting for QRP DXCC this weekend.

73
Paul K4FB

Date: Thu, 21 Nov 2002 22:51:33 -0500
From: "Bob Schreibmaier" <k3ph@ptd.net>
To: <qrp-l@lehigh.edu>
Subject: [140611] Fox: KV2X
Message-ID: <004e01c291da\$72b5a480\$be00a8c0@msns.leh.ptd.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think Tom pulled me out of the mud! If so, Tom, you
must be a world-champion DXer! 8^)

+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net |
| Kresgeville, PA 18333 | http://home.ptd.net/~k3ph |
+-----+

Date: Thu, 21 Nov 2002 22:59:45 -0500
From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140612] FOX: Good news and bad news
Message-ID: <022401c291db\$98725410\$6e01a8c0@procyon>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The bad news: KV2X I could barely hear so no pelt from Tom. Tried DSP,
filters, everything. Hope when the W9GR III DSP Unit gets here I could have
brought him up some. Will have to wait and see. The DSP on the Kenwood
helped, but still in the noise. Without the DSP, I could not hear him at
all.

The good news: Got N1FN no problem. He was pretty strong here in OH.

More good news: Had my Variance hearing tonight. Vote for my tower passed
7-0. It helped that I knew one of the guys and another guy is a ham :-)
The 17.5' tower goes on the garage shortly.

Thanks for still a great night. Only have missed two foxii thus far...

72/73,
Jason Hissong - N8XE
<http://www.qsl.net/n8xe>
FISTS #6338
QRPARCI #11347
FPQRP #443
QRP-L #2431
ARLHS #661

Date: Thu, 21 Nov 2002 21:59:20 -0600
From: "George, W5YR" <w5yr@att.net>
To: <n1tp@swfla.rr.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [140613] Re: Twofer
Message-ID: <01be01c291db\$8b0633a0\$0201a8c0@fairviewtx.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Right behind you, Tom - worked ET at 0201 and then got Tom at 0204.
Think I was first (again!) on the Truffle log at 0132.

Remember, Tom, we Pesky Texans ionize all those paths for you
less-fortunate guys. Not to mention raising the temperature of the
Gulf a few degrees . . .

Fun to brag when things go good, isn't it? <:}

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
K2 #489 Icom IC-765 #2349 Icom IC-756 PRO #2121

----- Original Message -----

From: "Tom Palmer" <n1tp@swfla.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 21, 2002 8:43 PM
Subject: FOX: Twofer

> Bagged a pelt from Tom (KV2X in NY) at 0200 and from ET
> (N1FN in Colo.) at 0213.
> Usual 0200 UTC pipeline 'tween NY & SW FL. Heard K4FB bag
> his pelts. Go "Swamp Rats."
>
> Heard them LOUD "Pesky Texans" - as always. I might bat
> 1.000 every Hunting Season if each FOX was a "Pesky Texan"
> or in Colorado or Missouri.

>
> Tom, N1TP
> Naples, FL.
>
>
>

Date: Thu, 21 Nov 2002 12:06:14 -0500
From: "Walt Amos K8CV" <waltk8cvamosqrp@earthlink.net>
To: <w9wis@charter.net>
Subject: [140614] Re: Predicting Switching PS Noise ?
Message-ID: <000201c291dc\$074573e0\$e1283b41@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My experiences with switching power supplies

I got a Dell computer power supply for a song , maybe \$5 ? , and used it QRP with the K-2 in Florida. There was a pot inside to set it down to 14 volts. NO NOISE

I have a TenTec out of production 10 amp switcher of Japanese make that they sold for the scout. I use it all the time with the in house QRP rigs. NO NOISE.

I have a 25 amp Astron with 2 meters on the front panel that I have used with 100 Watt radios and NO NOISE.

I bought the astron after the review in QST about 5 switchers and it had the least noise.

I have a cage switcher of 15 amps that was for use inside a computer I think, a friend picked it up in Florida somewhere and it will run the 100 watt rigs as I set the trip out and voltage up to 13.8 and 18 amps. NO NOISE ! It runs a TS-50 and doesn't even break into a sweat, cool after hours of use.

So far I have had good luck with them.

Walt

----- Original Message -----
From: "Michael Melland" <w9wis@charter.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, November 20, 2002 12:22 PM
Subject: Predicting Switching PS Noise ?

> I'm looking at an application in which I may be utilizing a switching
power
> supply. Switchers have many pluses like small, light, high amps for size
> etc. but a potential drawback is generated RFI.
>
> The supply I'm considering switches at 62 kHz... is there any way to
predict
> what area or level of switching noise might be found in the HF spectrum ?
>
> The manufacturer states that the supply meets "FCC Class B specifications
> for generated RF".... whatever that means. The usual application for
these
> supplies is high end audio amps and gear.
>
> Thanks
> --
> Michael Melland, W9WIS
> Winneconne, Wisconsin USA EN54pc
> qrp-l #1656 - qrp-parci # 9875 - iparc #252
> ars #1075 - <http://webpages.charter.net/w9wis/>
>
>
>

Date: Thu, 21 Nov 2002 20:04:03 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <w2agn@w2agn.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140615] Re: ET OK, but no KV2X
Message-ID: <013501c291dc\$328058e0\$ede3b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, KV2X was at ESP in the last 10 minutes of the hunt here. Most of
the time, I just heard hound calling on HIS frequency. What happened to
working split folks!!! You guys do know what 1 to 3 KHz up means???

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, November 21, 2002 7:35 PM
Subject: FOX: ET OK, but no KV2X

> Got ET OK, but skip too long for NY. Occasionally hear him at ESP
levels,
> but no copy. CA, NM and other West Coast stations coming in strong.
Would
> be a good night for a West Coast fox from here. Wonder if Karl will
hear
> me next week?
>
> ---
> +-----+ John L. Sielke
> |W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
> +-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Thu, 21 Nov 2002 22:05:21 -0600
From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140616] Re: FOX BAD!
Message-ID: <01c801c291dc\$61fb7fa0\$0201a8c0@fairviewtx.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think that we must have a different ionosphere in Texas . . . ET was
skunk strong and worked him right after N1TP, I think. Tom was also
loud enough to be easy to find and easy to work a couple of minutes
later.

Aron in NH was WEAK but managed to nail the first slot in his logbook
tonight - wasn't easy for either of us. He was at 7046.96, just below
W1AW. I called him at 7048.30 . . .

Bad conditions? At 0130 between TX and NH, they were just barely able
to support a contact, but later on by 0200 or so, both Foxii were

rolling in here in good shape.

Wonder if that 20-meter EDZ antenna has anything to do with it?
Couldn't hear Aron on anything else. <:}

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

K2 #489 Icom IC-765 #2349 Icom IC-756 PRO #2121

> From: Karl F. Larsen <k5di@zianet.com>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Sent: Thursday, November 21, 2002 6:21 PM

> Subject: FOX BAD!

> > Boy the band is in bad shape tonight! W8PIG was I *think* just
> > above the ARRL 1500 watt beam station that was 579!! I never heard
him

> > well enough to call.

> >

> > Then at 0200 UTC I looked for ET with my low dipole and he was

> > LOUD on 7041. I worked him at 0205 UTC.

> >

> > I'm down on 7.35.1 now (FT-817 dial) and I can, sometimes hear

> > KV2X Tom about 229 now. I have never copied his call but he
sending in

> a

> > Fox way. I will get set up and hope things improve.

> >

> > --

> >

> > - Karl Larsen k5di Las Cruces, NM Az ScQRPions -

> >

>

Date: Fri, 22 Nov 2002 22:15:45 +0000

From: Wayne Scace <k9di@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [140617] NT: FOXII hunt = SKUNKED

Message-ID: <5.1.0.14.0.20021122221505.02ccfd08@IMAP.wiu.edu>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Date: Thu, 21 Nov 2002 23:21:49 -0500
From: Larry Przyborowski <k3peg@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [140618] Re: No Excuses Transciever
Message-ID: <01ac01c291de\$ad43e3b0\$6401a8c0@K3PEGMAIN>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi gang,

My friend Ron, K3PF, is building the "No Excuses QRP Transceiver" as described in QST for December 2002. He's discovered a few errors in the parts placement layout provided at the ARRL web site-->
<http://www.arrl.org/files/qst-binaries/NoExcusesXcvr1202.pdf>

Ron's comments follow:

-
The parts placement layout for the No Excuses QRP transceiver at the ARRL web address shown above has mistakes. If you go to the parts placement layout, you will find R2, C34 are C36 are shown twice. Each part is shown correctly at one location and incorrectly at another location. R2 shown above C2 (upper left of layout drawing) should be C7. C34 shown adjacent to Q10 should be C31. And, C36 shown next to R36 (upper right of board layout) should be C54. I sent an e-mail to ARRL. Please pass this on to the QRP guys and gals.

73, Ron Hege - K3PF

--
72, Larry - K3PEG

Date: Thu, 21 Nov 2002 21:21:12 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140619] FOX: Both caught in AZ
Message-ID: <001b01c291de\$9778f890\$0a0110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I somehow managed to pull KV2X out of the weak myriad of signals occupying 7035. Not sure how many of us westerners worked Tom. Really a rough go out this way. ET was good and strong here in AZ, and I managed to catch him on my first call.

Regards, Thomas - AC7A (Tucson)

Date: Thu, 21 Nov 2002 22:30:34 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [140620] Re: Twofer
Message-ID: <Pine.LNX.4.33.0211212227540.5547-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 21 Nov 2002, George, W5YR wrote:

> Remember, Tom, we Pesky Texans ionize all those paths for you
> less-fortunate guys. Not to mention raising the temperature of the
> Gulf a few degrees . . .
>
....well then Pilgrim George, how's 'bout ionizin' Saskatchewan while ur
at it eh!?!..... ;-))) 72 - Bruce (VE5RC+VE5QRP)

Date: Thu, 21 Nov 2002 22:32:37 -0600
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [140621] FS ZM2
Message-ID: <000b01c291e0\$2fe16e40\$8c100a43@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a ZM2 ATU built and is for sale. \$60.00. I will furnish shipping.

Foxy
jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Thu, 21 Nov 2002 23:33:42 -0500
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: jhisson1@columbus.rr.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140622] Re: FOX: Good news and bad news
Message-ID: <5.1.0.14.2.20021121232557.02230970@172.22.1.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 22:59 11/21/2002 -0500, Jason Hissong wrote:
>More good news: Had my Variance hearing tonight. Vote for my tower passed
>7-0. It helped that I knew one of the guys and another guy is a ham :-)
>The 17.5' tower goes on the garage shortly.

You had to get a variance for a 17.5 ft tower? c'mon, jeesh.

Here in Indianapolis, Amateur Radio towers are specifically authorized up to 75 feet. You are supposed to get a building permit for an accessory structure, but they cannot be denied, subject to setback requirements and the like. Variance would be required only if over 75 feet. <sigh>

=====
Dave Gingrich, K9DC - Indianapolis, Indiana USA
K2 #2211, K1 #931, QRP-L #2376, ARS #1109,
FPQRP #389, IRLP 4730/5730, k9dc.ampr.org
=====

Date: Thu, 21 Nov 2002 22:38:14 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Trevor Jacobs <kg6cyn@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [140623] Re: ET OK, but no KV2X
Message-ID: <Pine.LNX.4.33.0211212231170.5547-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Trev...

If you were able to "look" back at the previous fox hunts, I think you would find that often the fox will listen around his own freq as the hunt nears the end; especially when conditions are rotten like tonight... also a fox during his pre-hunt announcement will sometimes say that he/she will be listening on his transmit freq sometime during his hunt for those who are xtl controlled or don't have 2 vfos... anyway, when I started to hear KV2X during the last few minutes of the hunt, I called him close to his freq and I bagged the pelt...but didn't hear N1FN at all tonight...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Thu, 21 Nov 2002, Trevor Jacobs wrote:

> Well, KV2X was at ESP in the last 10 minutes of the hunt here. Most of
> the time, I just heard hound calling on HIS frequency. What happened to
> working split folks!!! You guys do know what 1 to 3 KHz up means???
>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>
>
> ----- Original Message -----
> From: W2AGN <w2agn@w2agn.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Thursday, November 21, 2002 7:35 PM
> Subject: FOX: ET OK, but no KV2X
>
>
> > Got ET OK, but skip too long for NY. Occasionally hear him at ESP
> levels,
> > but no copy. CA, NM and other West Coast stations coming in strong.
> Would
> > be a good night for a West Coast fox from here. Wonder if Karl will
> hear
> > me next week?
> >
> > ---
> > +---+---+---+---+ John L. Sielke
> > |W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
> > +---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS
>

Date: Thu, 21 Nov 2002 23:43:58 -0500
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140624] FOX: HAY Y'ALL HOUNDS WATCH OUT FER KV2X FOX!!
Message-ID: <5.1.0.14.2.20021121233717.02e65e30@172.22.1.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 17:53 11/20/2002 +0000, Thomas Jennings wrote:
>I will be running a TS850S cranked down to 5W and a 40 m 1/4 wave ground
>mounted vertical.

1/4 wave vertical? <sigh> Great for those beyond a 1500 miles or so.
Anyone want to send Tom some wire for a dipole or loop? HI.

Just barely heard him a couple of times toward the end, here in Indiana. No
trouble with ET.

=====
Dave Gingrich, K9DC - Indianapolis, Indiana USA
K2 #2211, K1 #931, QRP-L #2376, ARS #1109,
FPQRP #389, IRLP 4730/5730, k9dc.ampr.org
=====

Date: Thu, 21 Nov 2002 20:57:37 -0800
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [140625] results of K2 transmit tests at low supply voltages
Message-ID: <3DDDB931.A669DD14@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We've used the K2 at low voltages before, but had never really done a detailed
study until now. Here are the results.

On most bands, both K2s tested could put out 10 watts PEP down to as low as 9.5
volts, and 5 watts down to as low as 9.0 volts. There was no detectable shift in
carrier frequency as the supply was varied from 9 to 14 volts. There was also no
change in the CW keying waveform (as observed on a scope). On the lowest and
highest bands the maximum output levels were a bit lower for a given voltage.

Based on these tests, here are our (conservative) recommended maximum power

settings vs. DC input voltage. These apply to all bands:

DC VOLTAGE	MAX POWER OUT SETTING
-----	-----
9.0 V	2.0 W
9.5 V	5.0 W
10.0 V	7.0 W
10.5 V	10.0 W

These figures should be reassuring to anyone who is planning to operate a K2 from batteries. The transmitted signal will be totally stable well below the recommended usable voltage for a depleted 12-V battery. Even a 9.6-volt, 1.8 AH, 8-cell AA NiMH pack should provide several hours of casual operation at 5 watts.

Things to keep in mind during low voltage operation and testing:

- We were using a 95SQ015 at D10 on the RF board (reverse polarity protection diode), rather than the original SB530. The 95SQ015 type drops about 0.2 to 0.3 volts less on transmit. This diode is used in the Revision B K2 (and is included in the Rev A -> Rev B upgrade kit).

- The supply voltage must be measured right at the DC input jack, in transmit mode. Power cables can drop considerable voltage if they're long and/or use small-gauge wire. To minimize this effect, use at least #18 wire for cables up to 5 or 6 feet long, and heavier wire.

- 12-V Gel-Cell batteries should not be used below 10 volts for any length of time, as they can become permanently damaged. Always check their voltage condition during TX mode, not RX. They can drop a volt or more under the heavier TX load when they start to get depleted. (On a K2, just use voltage/current monitor mode -- tap the DISPLAY switch. You have to tap it twice if you have the real-time clock installed.)

- If you want to use the maximum possible power output at a given voltage, rather than the level in the table above, go for it--but listen to the signal on another receiver first to make sure the keying is still crisp and clean.

73,
Wayne
N6KR

www.elecraft.com

Date: Thu, 21 Nov 2002 20:55:20 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [140626] Re:ET OK, but no KV2X
Message-ID: <01ad01c291e3\$5c8f63e0\$ede3b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bruce,

Oh, I know, maybe I wasn't clear enough...I was hearing guys call on the FOX frequency from 03:00 onwards. I barely started hearing the FOX over the hounds in the last 10 minutes. It was frustrating because at one point around 03:30, when he popped up for a second, I heard him send KG6? and some other station (whose call I won't mention) just kept sending his call over and over... Yes, in the last 10 minutes or so, working direct seems to be a good idea for xtal controlled rigs, and I stay split until the last 10 minutes. I don't like to cause QRM. I worked N1FN ET tonight at 1.5 KHz up. I just thought that this needed to be said, because so many hounds don't seem to get it. And if the FOX starts taking calls on his frequency before this, then shame on him as it breeds chaos.

BTW, you have a Happy Thanksgiving too, although I doubt you guys celebrate it, Hi! I'll be portable 6 in Joshua Tree National Park camping, with a 102' CFZ up about 60'! I'll have some pictures of the site after the trip. Should work fine for the FOXII Hunt. Take care and thanks a bunch for your contributions to hunt Bruce, it's very appreciated!

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Fri, 22 Nov 2002 00:47:21 -0500
From: Tom and Betty Jennings <jennings@eznet.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Cc: thomas.jennings@us.abb.com
Subject: [140627] Fox: KV2X Log and report...
Message-ID: <3DDDC4E9.8020602@eznet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hounds,

Wow what a bad night!!! It started out at a good clip at a rate of 1 qso per minute but at 0230 things started to slow way down to 10 in a half hour then nothing for about 30 minutes and finally passed out 12 pelts in the last half hour. Everybody was pretty weak and really had to dig to get every thing. Of course the QRO QSO on my transmit frequency didn't help. All you hounds behaved very good and should be proud of yer selves!! 16 states and the pipe line into TX, FL, and LA worked just fine! Thanks for the hunt and hopefully the next round will be a lot better.

First draft of the log below. Let me know of any errors and hopefully the formatting is ok.

73,
Tom kv2x

Time	Call	RST	SPC	Name	PWR
200	N1TP	559	FL	TOM	5W
202	N4BP	559	FL	BOB	5W
203	K5AIC	559	MS	HERB	5W
203	KR5C	559	TX	GEORGE	5W
204	W5USJ	559	TX	CHUCK	5W
205	AB5XQ	559	AR	BILL	5W
205	W5YR	559	TX	GEORGE	5W
206	KK5LD	559	TX	DON	5W
207	K5SR	559	TX	DALE	5W
208	AB9CA	559	AL	DAVE	5W
209	NQ7X	559	AZ	FLOYD	5W
210	K4GT	559	GA	JIM	5W
211	K2TER	559	NY	BILL	5W
212	W0CH	559	MO	DAVE	5W
213	VE6EX	559	AB	DAN	5W
214	K4FB	559	FL	PAUL	5W
214	K5PSH	559	TX	JERRY	5W
217	W5TB	559	TX	DOC	5W
218	N4WL	559	OK	BART	5W
219	K5EOA	559	LA	WAYNE	5W
222	AJ4AY	579	AL	JAY	5W
222	W2XN	559	FL	FRED	5W
225	K0EVZ	559	ND	DOC	5W
226	AC5JH	559	OK	TOM	5W
226	K2ZN	559	NY	AL	5W
228	K5DI	449	NM	KARL	4W
230	AA50	559	LA	VERN	5W
230	K5DW	559	TX	DON	5W
232	N6LIF	559	TX	MARTIN	5W
238	N5IB	559	LA	JIM	5W
241	W3DCG	579	GA	DARIN	5W

242	K4BYF	559	FK	JACK	3W
243	KI0II	559	CO	RON	1W
244	KC0GXX	559	NE	TOM	3W
250	WR50 229	TX	DAVE	5W	
251	K5JHP	559	TX	BILL	5W
255	AG0T 229	ND	TODD	3W	
259	N9NE/5	559	OK	TONY	5W
301	N5FFF	559	LA	WAYNE	5W
327	VE3FAL	559	ONT	FRED	5W
331	AC7A 559	AZ	TOM	5W	
332	W0UFO	559	MN	MERT	5W
338	VA6RF	559	AB	EARL	5W
340	K3PH 559	PA	BOB	5W	
342	N5EBD	559	TX	KEN	5W
343	AA7EQ	559	AZ	BOB	5W
345	NM5M 339	TX	ERIC	3W	
346	N2WW 559	CO	LARRY	5W	
349	N0TK 339	CO	DAN	5W	
355	VE5RC	229	SK	BRUCE	5W
358	VE5DC	559	SK	JERRY	5W

Date: Thu, 21 Nov 2002 22:57:47 -0800 (PST)
 From: Jeff <fantbb@yahoo.com>
 To: qrp qrp <qrp-l@lehigh.edu>
 Subject: [140628] This antenna design program runs on a Pocket PC!
 Message-ID: <20021122065747.38097.qmail@web20417.mail.yahoo.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii

Hi gang,

I've been running Elnec (old DOS antenna design program) under Pocket DOS on my Ipaq! It runs just a touch slow but is very useful. You can get a demo of pocket DOS at

<http://www.pocketdos.com>

and get a demo of Elnec at

<http://www.eznec.com/elnecdem.htm>

For those of you who don't know Elnec is the forerunner to EZNEC that Roy W7EL has on his Eznec web site. Pocket DOS for the Pocket PC does a great job of emulationg DOS on a Pocket PC. It's a real kick to be able to fool around with antenna designs while standing in line at a

bank. The demo version limits the number of segments to 15 which means you can't design real complex antennas with it. Works great for dipoles, st louis verticals, half wave wires. Shows you radiation patterns and impedences.

I am also running old dos propagation and logging programs under it along with some games.

As usual I am getting paid thousands of dollars to mention the above programs to the amateur radio world. ;-)

73!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798, Fanatic A's fan #1

Do you Yahoo!?

Yahoo! Mail Plus Powerful. Affordable. Sign up now.

<http://mailplus.yahoo.com>

Date: Fri, 22 Nov 2002 00:27:14 -0800 (PST)

From: Jeff Furman <jfurman@ocs.net>

To: Rick McKee <kc8aon@juno.com>, qrp-l@lehigh.edu

Subject: [140629] Date codes on TMC IC's

Message-ID: <Pine.LNX.4.21.0211211646090.27832-100000@ocs.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Rick, the 3-digit numbers (749, 740, 726, 721) you see below the part numbers are likely the manufacturer's date code for these parts. 749 => 1967 week 49, 740=> 1967 week 40, etc. Often the date code is a 4-digit number YYWW (YY is last two year digits, WW is week number, 1-52), with no year ambiguity, but in this case, the code is YWW with only the last year digit used. The decade needs to be inferred from some other source(a 4-digit date code on another component in the same assembly, for example.) You mentioned late 60's vintage for the receiver here. Sprague aluminum electrolytic capacitors usually have easy to recognize 4-digit date codes. These 3- and 4-digit date codes have been used by American

manufacturers-- they are EIA date codes-- Japanese EIAJ uses a different mixed alpha and numeric scheme; some surface mount components have a date code or lot code as well as a marking code. Each manufacturer needs to be consulted to figure these out. There's not much room on an sot-23 package transistor for elaborate markings. Sometimes a date code and a legitimate part number may be the same, say, a 741 opamp made in 1967,77,87,97 week 41 or lots of ttl ic's (74xx) made in 1974.

These cases are decided by analyzing the surrounding circuitry, the packaging possibilities, and hopefully some other cues distinguishing the p/n and date code-- TI uses an SN prefix for its ttl p/n prefix. It helps to have readily available data books to compare. I suggest anyone who doesn't have any data books seriously look for the older ones at flea markets and hamfests-- be aware that they were all given away free to customers by the chip manufacturers, so, be wary of high prices; they're not rare Gutenberg bibles. Often retired engineers (especially their wives) are interested in clearing out their garages. I've only addressed the date code part of identifying component markings, not the part number identification-- that's another art itself.

73, Jeff AD6MX

Date: Wed, 20 Nov 2002 21:27:19 -0500
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [140518] Technical Materials Corp Receiver info
Message-ID: <20021120.212726.8614.0.kc8aon@juno.com>

Gang,

A friend of mine is trying to revive an old Technical Materials Corp receiver

#DDRR-10, military designator - AN/FRR - 85 and is in need of a schematic, block diagram or any other info that can be found. He is willing to pay for postage and any copying costs if anyone has this info.

Also, he needs some info on a few IC's in the rig. They are white ceramic IC's with what looks like a Sylvania emblem - the letter S in a triangle with a lightening bolt through it. Part numbers are: SF203 with the number 749 under the first number, SG223 with 740 under it, SM53 with 726 under it, SM53 with 721 under it. These parts all go in the frequency display which is a nixie tube readout. The rig is believed to be of late 60's vintage. Anyone that has this info, can email me off the list or email to him direct to: Rodney Hitchcock, WA8ESQ, email address: wa8esq@cloh.net

Thanks for the BW,

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio

SW 40+, HW-8, Homebrew 6V6 tube TX & Surplus GRC 109 RX
Power is for punks ! QRP is for the confident !
QRP-L #2112, FPqrp #33, AR QRP #269

Date: Fri, 22 Nov 2002 04:19:46 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: digi2@earthlink.net
Cc: qrp-l@lehigh.edu
Subject: [140630] Re: Preparing copper clad board for Sidekick?
Message-ID: <5.1.0.14.1.20021122040737.00a72de0@pop.prodigy.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:55 PM 11/21/02 -0700, John, K7SVV wrote:

>Thank you everyone. I am now well armed and ready to jump into my
>Manhattan project but, first, I have one more question. The Sidekick
>has a couple of 8 pin chips that use sockets. The instructions say to
>cut two 1/2" by 1/2" pads and then to grove each pad into 8 sections
>(1 section per pin). This makes good sense but what is the easiest
>way to grove the pads? Cutting with a knife is possible and a hacksaw
>cut would probably be too wide but I think there must be an easier
>way. How would the rest of you do it?

Cutting with a knife is difficult at best, and you are correct, a hacksaw makes a cut that is too wide. The two simple approaches that I use are to cut the grooves with a hobby razor saw. Works well, but the fiberglass tears up the teeth quite quickly, so don't go through the copper any more than is absolutely necessary. The other way is to get a laminate cutter at your local hardware store or Home Depot. These are small hand tools uses for cutting a groove into formica front and backside prior to breaking the piece off. I have two versions: one has a plain hardened blade, but needs sharpening occasionally. The other has a reversible carbide blade, and is very durable. Each can be used to "scratch" off a 1/32 inch band of copper, at the appropriate spacing. The tool must be guided by a straight edge, and holding the PC board material and the straight edge can be a bit dicey, but it makes nice clean, straight cuts through the copper layer. If you do the cutting on a much larger piece, with the intent of producing several of the IC mounting pads, holding and cutting is much easier. Trying to work on a 1/2" X 1/2" pre-cut substrate is most difficult. The "Cadillac" way is using the drill press with the milling table and a 1/32" cutter and milling the grooves. Time consuming for the setup, but makes wonderfully precise mounting pads for IC sockets.

72 and GL,

Jim, K8IQY

Date: Fri, 22 Nov 2002 04:11:04 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [140631] PDAs
Message-ID: <Pine.LNX.4.33.0211220358490.26627-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I want to thank everyone who provided me with information about PDAs, etc a few weeks ago...I have ended up with a second hand Palm V plus fold-out keyboard from a good friend in British Columbia...I'm having a fun time learning about it...I want to thank Dave Ek for his help and patience as I have e-mailed him several times for help...I have downloaded Golog and have it running now thanks to Dave...at one point things weren't going too well...but Dave was able to point out the problem...when I did a HotSync, I was also downloading my mail too...Dave figured that there was no free memory because of this...so one by one, I deleted almost 1000 e-mails from the Palm, turned off HotSyncing the mail and now Golog is running just fine...man, am I good with the "stick" now eh?!...hihihi...I'm still faster typing on the fold-out keyboard than I am using graffiti but I'll see how that turns out as time and graffiti practise go by...tnx agn everyone...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 22 Nov 2002 07:15:33 -0500
From: Joseph Mikuckis <k3chp@erols.com>
To: QRP-L Mailing List <qrp-l@lehigh.edu>
Subject: [140632] Lost Time?
Message-ID: <3DDE1FE5.D23DF196@erols.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Several months ago I purchased a Bulova wrist watch (my very first quartz). It ran OK for few days but then became intermittent and started losing time. I returned it and selected another one (different model).. Same story. Not giving up on Bulova I selected a third. Again, same story! After much consideration I came up with the possibility that it might be my 2-metert HT. This time I avoided the use of the handie-talkie and now my fourth watch is running perfectly. Based on my experience I would suspect the same problem with cell phones (I don't have one) but obviously it is not the case. I just don't know.. Any ideas? By the way, each time I brought the watch back, the battery was replaced.

Joe, K3CHP
Frederica, DE

Date: Fri, 22 Nov 2002 07:47:34 -0500
From: "Jason Hissong" <jhissong1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140633] Re: FOX: Good news and bad news
Message-ID: <007e01c29225\$54558050\$6e01a8c0@procyon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Dave,

With the tower on the top of the garage, it turns into a 32 foot tower. There is a 60' amateur radio tower down the street to me that they approved. So if I wanted to, I could have gone higher... but XYL, money, etc determined which tower I went with. The funny thing is that if I went with a crank-up tower, I could have gone with 100'!!! However, that is just too expensive.

I am pretty pleased overall.

72/73,

Jason

N8XE

you are lucky to live in an area that lets you do that :)

----- Original Message -----

From: "Dave Gingrich K9DC" <gingrich2@dcg.org>

To: <jhisson1@columbus.rr.com>

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, November 21, 2002 11:33 PM

Subject: Re: FOX: Good news and bad news

> At 22:59 11/21/2002 -0500, Jason Hissong wrote:

> >More good news: Had my Variance hearing tonight. Vote for my tower passed

> >7-0. It helped that I knew one of the guys and another guy is a ham :-)

> >The 17.5' tower goes on the garage shortly.

>

> You had to get a variance for a 17.5 ft tower? c'mon, jeesh.

>

> Here in Indianapolis, Amateur Radio towers are specifically authorized up

> to 75 feet. You are supposed to get a building permit for an accessory

> structure, but they cannot be denied, subject to setback requirements and

> the like. Variance would be required only if over 75 feet. <sigh>

>

> =====

> Dave Gingrich, K9DC - Indianapolis, Indiana USA

> K2 #2211, K1 #931, QRP-L #2376, ARS #1109,

> FPQRP #389, IRLP 4730/5730, k9dc.ampr.org

> =====

>

Date: Fri, 22 Nov 2002 05:49:05 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Trevor Jacobs <kg6cyn@earthlink.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [140634] Re: FOX BAD!

Message-ID: <Pine.LNX.4.44.0211220546020.1263-100000@Bucket.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Trevor, I think I got Tom but signals were so poor it could have been my overactive imagination. Assuming that Tom has 5 watts and a good antenna, propagation is not good and you guys on the Pacific Ocean are

not going to hear much.

On Thu, 21 Nov 2002, Trevor Jacobs wrote:

> ET was strong here, and solid at least a 579. I worked him UP 1.5
> KHz...Not a peep out of the other fox yet, still a bit early for NY to
> CA. Plus there's a QSO on 7.035 right now...oh well, hope they don't rag
> chew for an hour Hi!

>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>
>

> ----- Original Message -----

> From: Karl F. Larsen <k5di@zianet.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Thursday, November 21, 2002 6:21 PM
> Subject: FOX BAD!

>
>
> >
> > Boy the band is in bad shape tonight! W8PIG was I *think* just
> > above the ARRL 1500 watt beam station that was 579!! I never heard him
> > well enough to call.

> >
> > Then at 0200 UTC I looked for ET with my low dipole and he was
> > LOUD on 7041. I worked him at 0205 UTC.

> >
> > I'm down on 7.35.1 now (FT-817 dial) and I can, sometimes hear
> > KV2X Tom about 229 now. I have never copied his call but he sending in
> > a
> > Fox way. I will get set up and hope things improve.

> >
> > --

> >
> > - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

> >
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 22 Nov 2002 07:56:38 -0500
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [140635] FOX: KV2X Log
Message-ID: <000501c29226\$991073c0\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

HUMMMMMMM.

51 QSOs. 13 (or 25.5%) are "Pesky Texans."

What is to be done about these too often recurring revolting
developments?

Tom, N1TP
Naples, Florida

Date: Fri, 22 Nov 2002 07:12:42 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: n1tp@swfla.rr.com,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [140636] Re: FOX: KV2X Log
Message-ID: <3.0.2.32.20021122071242.007bac30@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Move to Texas... [g]

At 07:56 AM 11/22/2002 -0500, Tom Palmer wrote:

>HUMMMMMMM.

>

>51 QSOs. 13 (or 25.5%) are "Pesky Texans."

>

>What is to be done about these too often recurring revolting
>developments?

>

>Tom, N1TP

>Naples, Florida

>

>

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Fri, 22 Nov 2002 08:19:29 -0500
From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [140637] Re: FOX: KV2X Log
Message-ID: <001b01c29229\$c9aa70a0\$6e01a8c0@procyon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yea, but all my Exes live in Texas! Dang it!

<chuckle>

BTW... I think living in Texas gives you about a 3db gain on your signal.
Have you heard these guys in contests? Sheesh!

Jason Hissong
N8XE

----- Original Message -----
From: "Chuck Carpenter" <w5usj@9plus.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, November 22, 2002 8:12 AM
Subject: Re: FOX: KV2X Log

> Move to Texas... [g]
>
> At 07:56 AM 11/22/2002 -0500, Tom Palmer wrote:
> >HUMMMMMMM.
> >
> >51 QSOs. 13 (or 25.5%) are "Pesky Texans."
> >
> >What is to be done about these too often recurring revolting
> >developments?
> >
> >Tom, N1TP
> >Naples, Florida
> >

> >
>
> Email Alt: w5usj@arrl.net
>
> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
> QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
> Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>
>

Date: Fri, 22 Nov 2002 08:38:28 -0500
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [140638] Re: FOX: Good news and bad news
Message-ID: <000301c2922c\$7111bf40\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

In unincorporated Collier County amateur radio towers are automatic "permitted uses" up to 75 feet EXCLUSIVE of all antennas. Requires only summarily issued (and very inexpensive) building permit - can be acquired same day applied for. Applicable set backs: same as for other structures.

No engineered plans required; just simple location plan to indicate set backs. Need only to build to the manufacturer's specifications.

I know; I wrote Collier County's "Communications Tower Ordinance" and, therefore, "looked out for" us hams.

Tom, N1TP
Naples, FL.

P.S. Vast areas of unincorporated Collier County are comprised of subdivisions with restrictive covenants that prohibit ALL outdoor antennas, including simple dipoles and other wire antennas (excepting small TV reception dishes, etc., to the extent preempted from restrictive covenant regulation per federal statute).

Date: Fri, 22 Nov 2002 08:29:01 -0500
From: "Ken Newman" <n2cq@dandy.net>
To: "W3BG" <W3BG@arrl.net>, "Norm Into" <normk8ni@neo.rr.com>,
"QRP-L Reflector" <QRP-L@lehigh.edu>,
Subject: [140639] [CONTEST] N2CQ QRP Contest Calendar Nov 22 - Dec 5, 2002
Message-ID: <000c01c2922b\$212c5e00\$b19efa42@18.95.182.twsn1.md.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR  
November 22 - Dec 5, 2002  
~~~~~

40 METER FOXHUNTS

Fox Hunt - Thursdays - 9pm EST, 8PM CST, 7PM MST and 6PM PST.

Info: <http://www.cqc.org/fox>

Truffle Hunt - Thursdays - 30 min before Fox Hunt

Info: http://fpqrp.com/pig_hunt.html
~~~~~

CQ World Wide DX Contest (CW) ... QRP Category!

Nov 23 - 0000z to Nov 24 - 2400z

Rules: <http://www.cqwww.com/>  
~~~~~

QRP ARCI Holiday Spirits Homebrew Sprint (CW) *** QRP Contest ***

Dec 1 - 2000z to 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/holispr.htm>
~~~~~

Adventure Radio Society - Spartan Sprint (CW) \*\*\* QRP Contest \*\*\*

Dec 3 - 0200z to 0400z (Monday Evening US/Canada)

Rules: [http://www.natworld.com/ars/pages/spartan\\_sprints/ss\\_rules.html](http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html)  
~~~~~

QRP ARCI Topband CW & SSB Sprint *** QRP CONTEST ***

Dec 4 sunset to Dec 5 sunrise Local time (Any 4 Hrs)

Rules: <http://personal.palouse.net/rfoltz/arci/top.htm>
~~~~~

Thanks to WA7BNM, SM3CER, ARRL and others  
for assistance in compiling this calendar.

Anyone may use this "QRP Contest Calendar" for your website, newsletter,  
e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de  
Ken Newman - N2CQ  
N2CQ@ARRL.NET  
\*\*\*\* QRP Contest Calendar \*\*\*\*  
<http://www.njqrp.org/data/contesting.html>  
<http://www.n3epa.org/Pages/Contest/contest.htm>  
<http://www.qsl.net/cqrp/contests.html>

-----  
Date: Fri, 22 Nov 2002 06:42:27 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "George, W5YR" <w5yr@att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140640] Re: FOX BAD!  
Message-ID: <Pine.LNX.4.44.0211220640310.1344-100000@Bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi George, I think being 600 miles CLOSER to the Fox was what made  
signals louder...:-)

On Thu, 21 Nov 2002, George, W5YR wrote:

> I think that we must have a different ionosphere in Texas . . . ET was  
>  
> Wonder if that 20-meter EDZ antenna has anything to do with it?  
> Couldn't hear Aron on anything else. <:}  
>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

-----  
Date: Fri, 22 Nov 2002 06:51:12 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Tom Palmer <n1tp@swfla.rr.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140641] Re: FOX: KV2X Log  
Message-ID: <Pine.LNX.4.44.0211220649340.1344-100000@Bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII



Hi Tom, not revolting to ME. KV2X DID hear me and so he has 13 Texans and 1 New Mexican.

On Fri, 22 Nov 2002, Tom Palmer wrote:

> HUMMMMMMM.  
>  
> 51 QSOs. 13 (or 25.5%) are "Pesky Texans."  
>  
> What is to be done about these too often recurring revolting  
> developments?  
>  
> Tom, N1TP  
> Naples, Florida  
>  
>  
>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

-----  
Date: Fri, 22 Nov 2002 08:57:23 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140642] Re: QST Article Selection.  
Message-ID: <3DDE37C3.FB15FEA2@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

alan.kaul@att.net wrote:

> CQ-Magazine sat on it  
> for more than a year (until it was out of date-

<snip>

> QST has been sitting on the other one since last March

<snip>

> In the meantime, I am prohibited  
> from by contractual agreement from shopping it around to the QRP journals,

> etc.

>

> I run the risk that QST has tied it up and might never print it, and neither  
> will anyone else by the time they "release it" because it will be too old.

Those are excellent reasons not to write for SST. I'm not trying to discourage people from writing for them, but I think these reasons are very valid.

As an author you put quite some time into writing an article in which you try to share your knowledge and fun you are having with a project. Nothing is more discouraging as an article being accepted and then never being published. That's a slap in the face. It's better to have the article rejected right away, which I think is the moral thing to do if you can not guarantee publication within a certain amount of time. Especially with time sensitive information.

We need to remember also, that it is not just the ARRL who can set the rules. They can only set the rules they choose to live by for their publication. Nothing prevents you from adding your own conditions to the author's release form. You could add that they have a time limited exclusive right to what you are submitting and that you reserve the right of ownership. If the ARRL can not accept those conditions, then that's ok. At least then the article isn't being locked up. It's a contract, you can try to negotiate.

I'm sure a lot of people will think that I have no clue what I'm talking about and that this is simply not how business is being conducted in the publishing world, and you are right! I don't. There are probably a thousand reasons why the things are the way they are. However, I do know that if one keeps accepting the Status Quo, nothing will change and those great articles you are writing may never see the light of day. Of course you know the rules when you submit an article and hand over the rights of ownership. The ARRL protects their interest, the author has to protect his or hers. It's regrettable if the latter doesn't happen.

I also don't think that "being published" has a lot of the prestige anymore it once had. There are better ways to reach your audience nowadays. The ARRL realizes this, too. That's why their website is playing a more prominent role and its status has been raised to that of an official publication. Even news that really belongs in a membership (exclusive) magazine has been transferred to the website. I'm not sure into what type of magazine QST is being transformed. I guess in a not too distant future QEX and QST will be merged. But that's all besides the point I'm trying to make.

Just my two cents.

73s,  
--Alex KR1ST

-----  
Date: Fri, 22 Nov 2002 09:01:28 -0500  
From: "Tom Palmer" <n1tp@swfla.rr.com>  
To: <qrp-1@lehigh.edu>  
Subject: [140643] CY0MM  
Message-ID: <000501c2922f\$a71fea00\$6b2a0843@swfla.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Worked CY0MM through my tri-band Quad at 1352 UTC  
transmitting at 5 watts out on 21.235. Got him on my 2nd  
call through a pretty good sized pile up.

DXCC QRP can be acquired in 365 days without that much  
effort.

Tom, N1TP  
Naples, Florida

-----  
Date: Sat, 23 Nov 2002 08:04:08 +0000  
From: Wayne Scace <k9di@earthlink.net>  
To: "low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140644] Tuner needed.  
Message-ID: <5.1.0.14.0.20021123080332.032f5ff8@mail.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,  
Wayne K9DI es Sequoia here. Do any of you know of a QRO tuner  
that is in need of a good home? If so let me know. I am in need of a QRO  
tuner to allow me to use the TS520 I recently acquired. I have an LDG QRP  
autotuner (assembled by Marshall Em N1FN) to trade. Pse contact me offlist  
if you have any leads. Tnx in Advance.  
73/72 es M00/00  
de  
Wayne K9DI

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net  
LICQ# 315313  
FPQRP-L# 217  
<http://www.qsl.net/k9di>

-----  
Date: Fri, 22 Nov 2002 09:06:06 EST  
From: IamSF5@aol.com  
To: qrp-L@lehigh.edu  
Subject: [140645] FS QRP rig  
Message-ID: <39.30852169.2b0f93ce@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
I have a NC 20 with most of the Larry East mods in it.  
The rig is in 100% mint condition and is in a Red Hot enclosure.  
Also has an extra jack so you can use your own type of key.  
Asking \$130.00 + shipping.  
Thanks,  
72/73  
Bob  
AF2Q

-----  
Date: Fri, 22 Nov 2002 09:11:45 -0500  
From: Macstein@aol.com  
To: w8diz@fpqrp.com, qrp-l@lehigh.edu  
Cc: fpqrp-l@mpna.com  
Subject: [140646] Re: [fpqrp] Truffle Hunt reassignment for tonight  
Message-ID: <26731AF4.17678F05.00790130@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Apologies to all. I called Aron on his sell in NH from the Hospital in FL to tell him I wouldn't make it. My "job" is as unpredictable at my "fist"! I not only missed the Truffle hunt but also the Fox hunt. Sigh.

Thanks to Diz for the announcement and for my buddy Aron for taking the slot.

-MAC-  
AF4PS  
FP-51

-----  
Date: Fri, 22 Nov 2002 08:18:22 -0600  
From: <jfox6@houston.rr.com>  
To: "QRP" <qrp-1@lehigh.edu>  
Subject: [140647] ZM-2 ATU  
Message-ID: <001b01c29232\$04012840\$8c100a43@houston.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The tuner is sold, and thanks for all that replied.

Foxy  
jfox6@houston.rr.com  
<http://www.qsl.net/w5hir>

-----  
Date: Fri, 22 Nov 2002 08:28:32 -0600  
From: <stanw@toxsor.com>  
To: <qrp-1@lehigh.edu>  
Subject: [140648] HELL mode and future QRP  
Message-ID: <000501c29233\$71fba5e0\$0364010a@toxsor.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Might take a look at  
<http://kf4hou.tripod.com/feldmt.htm>

HELL is a very interesting mode, might just be the future for extreme micro  
micro power QRP operation, QRPppppp ? The software is free and a lot of fun  
to actually see the words drawn out on the CRT.  
de Stan ak0b

-----  
Date: Fri, 22 Nov 2002 09:29:24 -0500

From: "Tom Palmer" <n1tp@swfla.rr.com>  
To: <qrp-l@lehigh.edu>  
Subject: [140649] Re: FOX: KV2X Log  
Message-ID: <000301c29233\$8f350840\$6b2a0843@swfla.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I'm proposing the following amendment to "the Rules:"

"Each 'Pesky Texan' who is in the top score grouping at the end of the Winter Hunting Season shall automatically have one pelt deducted from his score." \*

\* The rationale behind this "Rule" is: To "level the playing field" by eliminating the inherent (and indisputable) geographic advantage enjoyed by them "Pesky Texans." (We won't take into account that they are GOOD operators).

Tom, N1TP  
Naples, FL

P.S. No comments, please, about "equal protection" or "invidious (or undue) discrimination." "Different things can be treated differently." Every reasonable individual should admit that them "Pesky Texans" are "different."

-----

Date: Fri, 22 Nov 2002 09:37:20 -0500  
From: "Stephen King" <frstephenk@stfrancishigh.org>  
To: "QRP-L" <qrp-l@lehigh.edu>, <pwomble1@tampabay.rr.com>  
Subject: [140650] Re: 40m is long tonight  
Message-ID: <003b01c29234\$aa252170\$3950a8c0@RM204>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Very strange conditions last night! Signals were certainly a bit "mushy" but the biggest signal heard last night from here in NY was a station in CA! Never heard KV2X at all but ET was very strong from CO!

One Fox, One Skunk ....

Peace & 73

Stephen

W3SMK

K2 #2644

----- Original Message -----

From: "Paul Womble" <pwomble1@tampabay.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, November 21, 2002 10:50 PM

Subject: 40m is long tonight

> Someone posted to Dx Summit that 40m sounds like 20m tonight. The band  
> is open but is long.

>

> I got both foxii early then dropped down to the low end of 40 and was  
> able to bag several DX stations through sizable pileups.

>

> Hopefully 40m will continue to be that way this weekend for the CQWW  
> contest. I'm shooting for QRP DXCC this weekend.

>

> 73

> Paul K4FB

>

>

>

-----  
Date: Fri, 22 Nov 2002 09:43:05 -0500

From: Macstein@aol.com

To: qrp-l@lehigh.edu, fpqrp-l@mpna.com

Subject: [140651] Re: [fpqrp] Truffle Hunt reassignment for tonight

Message-ID: <34513330.680DC891.00790130@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=iso-8859-1

Content-Transfer-Encoding: 8bit

In a message dated 11/22/2002 9:11:45 AM Eastern Standard Time, Macstein writes:

> I called Aron on his sell

LOL. Well, he DOES sell things on his cell!

-MAC-

AF4PS

-----  
Date: Fri, 22 Nov 2002 09:46:02 -0500  
From: W2AGN <w2agn@w2agn.net>  
To: n1tp@swfla.rr.com,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140652] Re: FOX: KV2X Log  
Message-ID: <3DDDFCDA.32363.3AECF3B@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 22 Nov 2002 at 9:29, Tom Palmer wrote:

> I'm proposing the following amendment to "the Rules:"  
>  
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> end of the Winter Hunting Season shall automatically have  
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>  
> \* The rationale behind this "Rule" is: To "level the  
> playing field" by eliminating the inherent (and  
> indisputable) geographic advantage enjoyed by them "Pesky  
> Texans." (We won't take into account that they are GOOD  
> operators).  
>  
> Tom, N1TP  
> Naples, FL

I prefer a rule requiring Texans to use only an "EH" antenna.

---  
+---+---+---+---+ John L. Sielke  
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]  
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----  
Date: Fri, 22 Nov 2002 09:53:22 -0500  
From: "Tom Palmer" <n1tp@swfla.rr.com>  
To: <qrp-l@lehigh.edu>  
Subject: [140653] Re:ET OK, but no KV2X  
Message-ID: <000301c29236\$e768f5a0\$6b2a0843@swfla.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"



Content-Transfer-Encoding: 7bit

Starting around the last 30 minutes of each hunt a sense of panic starts to creep in and many "unpelted" hounds commence to operate in an "Now it's every Hound for himself" mode.

Not much can be done about this except the FOX listening wider and wider. Notwithstanding the all but irresistible impulse to then work simplex, the "Super FOXes" are masters at listening wider and wider when the pack needs some "controlling." A few FOXes even "listen down" for a straggler or 2 who might be calling there. When things get really tough the trick is for the Hound to transmit "where they ain't" - like famous baseball player of old - "Wee Willy Keller."

Tom, N1TP  
Naples, FL

-----  
Date: Fri, 22 Nov 2002 09:59:38 -0500  
From: <mgoins@usa.net>  
To: <kr1st@amsat.org>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140654] Re: [Re: QST Article Selection.]  
Message-ID: <200211221502.gAMF2Ccm024236@rain.CC.Lehigh.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

I'd like to remind everyone that I'll reply in a day or two, not months. =

As will George (NJ group) or Doug (NorCal). Keep us all in mind when you =  
want  
to share your work with those who will appreciate it. =

mike  
wb5yjsx  
managing editor  
QRP Quarterly =

Alex <kr1st@amsat.org> wrote:

alan.kaul@att.net wrote:

> CQ-Magazine sat on it  
> for more than a year (until it was out of date-

<snip>

> QST has been sitting on the other one since last March

<snip>

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Just my two cents.

73s,  
--Alex KR1ST

-----  
Date: Fri, 22 Nov 2002 09:18:46 -0600 (CST)  
From: Bruce Ratray <rattray@gpfn.sk.ca>  
To: W2AGN <w2agn@w2agn.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140655] Re: FOX: KV2X Log  
Message-ID: <Pine.LNX.4.33.0211220917550.10291-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 22 Nov 2002, W2AGN wrote:

> I prefer a rule requiring Texans to use only an "EH" antenna.

>

> ---

> +---+---+---+---+ John L. Sielke

> |W||2||A||G||N| <http://www.w2agn.net> [UPDATED]

> +---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

>

...how about dummy loads?....heh,heh...72 - Bruce (VE5RC+VE5QRP)

-----

Date: Fri, 22 Nov 2002 10:26:50 -0500  
From: John Zaruba <jzaruba@mac.com>  
To: jokortge@prodigy.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140656] Re: Preparing copper clad board for Sidekick?  
Message-ID: <D219128D-FE2E-11D6-A202-00039367EFA0@mac.com>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v548)  
Content-Transfer-Encoding: 7bit

Hi Jim,

On Friday, November 22, 2002, at 04:19 AM, Jim Kortge, K8IQY wrote:

<snip>

> The "Cadillac" way is using the drill press with the milling table and  
> a 1/32" cutter and milling the grooves. Time consuming for the setup,  
> but makes wonderfully precise mounting pads for IC sockets.

Is this a milling table for a standard drill press, or one for a Dremel type drill press? I went looking through the Micro Mark web site, but didn't find a milling table for a Dremel drill press.

Thanks & 73,

John AA2BN

-----  
Date: Fri, 22 Nov 2002 07:42:57 -0800  
From: "Gene A. Williamson" <genewill@ordata.com>  
To: qrp-l@lehigh.edu  
Subject: [140657] "Hidden" antennas  
Message-ID: <200211221543.gAMFhRLY068023@cobra.ordata.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

One of the worst problems with many "hidden" or "balcony" antennas is their criminally poor efficiency. Take a look at what the FCC mandates your landlord to do for you if you are "...tenants who have an area where they have exclusive use, such as a balcony or patio, in which to install the antenna."

The URL is <http://www.fcc.gov/mb/facts/otard.html> and reading it you'll see that you MUST be allowed an antenna up to 12 ft tall if you meet the "exclude use" provision above. Force 12 is now selling a 20~10m vertical dipole, 11ft 11in long, which has at least 90% efficiency. This antenna has

a TV yagi on the top, and can be plugged into your TV to receive local channels.

I AM NOT EMPLOYED BY FORCE 12 IN ANY CAPACITY WHATSOEVER. I DO NOT OWN ANY FORCE 12 ANTENNAS. I HAVE NO PECUNIARY INTEREST WHATSOEVER IN YOUR PURCHASE OF THIS OR ANY OTHER F12 ANTENNA. I KNOW NOTHING ABOUT THE ANTENNA OTHER THAN WHAT I HAVE READ ON THE WEBSITE. I ALSO KNOW NOTHING ABOUT THE REGULATIONS OF THE FEDERAL COMMUNICATIONS COMMISSION.

Please forgive my shouting. I don't want you to waste time emailing me only to find out I am knowledge-free. I also want to discourage mailings to the list asking, "What's Force 12's address?"

I simply think you should take a look at this option, IF it applies, so you're not running a patio antenna that radiates only .5 of your 5.0 watts. DO NOT ASK ME ANY QUESTIONS ABOUT THIS ANTENNA. ASK FORCE 12. THEY HAVE A WEBSITE. DO AN INTERNET SEARCH FOR IT.

As always, YMMV.

73 Gene N7YW

-----  
Date: Fri, 22 Nov 2002 10:57:33 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <grp-l@lehigh.edu>  
Subject: [140658] W1RFI promotes QRP -- again! :-)  
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ECE34@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Note the shirt I am wearing as I give a talk to a Virginia chapter of = the QCWA...

I am always thinking of my QRP buddies!!!

<http://homepage.mac.com/rucker/chapter91.html>

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St

Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>  
>=20

-----  
Date: Fri, 22 Nov 2002 11:14:09 -0500  
From: W2AGN <w2agn@w2agn.net>  
To: rattray@gpfn.sk.ca,  
    Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140659] Re: FOX: KV2X Log  
Message-ID: <3DDE1181.32382.3FF8438@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 22 Nov 2002 at 9:18, Bruce Rattray wrote:

>  
>  
> On Fri, 22 Nov 2002, W2AGN wrote:  
>  
> > I prefer a rule requiring Texans to use only an "EH" antenna.  
> >  
> > ---  
> > +---+---+---+---+ John L. Sielke  
> > |W||2||A||G||N|       <http://www.w2agn.net> [UPDATED]  
> > +---+---+---+---+     Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS  
> >  
> ...how about dummy loads?....heh,heh...72 - Bruce (VE5RC+VE5QRP)  
>  
>  
Same thing.

---  
+---+---+---+---+ John L. Sielke  
|W||2||A||G||N|       <http://www.w2agn.net> [UPDATED]  
+---+---+---+---+     Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----  
Date: Fri, 22 Nov 2002 11:16:26 -0500  
From: W2AGN <w2agn@w2agn.net>  
To: mgoins@usa.net,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140660] Re: [Re: QST Article Selection.]  
Message-ID: <3DDE120A.31517.4019AC1@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 22 Nov 2002 at 9:59, mgoins@usa.net wrote:

> I'd like to remind everyone that I'll reply in a day or two, not months.  
>  
> As will George (NJ group) or Doug (NorCal). Keep us all in mind when  
you want  
> to share your work with those who will appreciate it.  
>  
> mike  
> wb5yjx  
> managing editor  
> QRP Quarterly

Speaking of QQ, It seems everyone has gotten their October Issue but me.

Whine.....

---  
+---+---+---+---+ John L. Sielke  
|W||2||A||G||N| http://www.w2agn.net [UPDATED]  
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----  
Date: Fri, 22 Nov 2002 11:26:25 -0500  
From: "Joe W2KJ" <w2kj@bellsouth.net>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [140661] XT2DX  
Message-ID: <000701c29243\$e7aaf4c0\$220110ac@gateway.2wire.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Howdy Gang:

Just got XT2DX on 10M at 1623Z on 28.032.620. He is working  
split and has great ears. Amazing what 5W will do....go get  
him.

73, Joe W2KJ

-----  
Date: Fri, 22 Nov 2002 11:02:54 -0600  
From: sjolin@swbell.net  
To: genewill@ordata.com,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140662] Re: "Hidden" antennas  
Message-ID: <01a301c29249\$0028d8a0\$78d1fea9@DaveSjolin>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Gene the FCC mandate is pretty specific as far as covering specific commercial services. It is also for receiving antennas and says nothing about ham antennas. I dont know if I would depend on that for getting approval for ham antenna although if it works, what the heck.

73 de Dave, N0IT

----- Original Message -----

From: "Gene A. Williamson" <genewill@ordata.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, November 22, 2002 9:42 AM  
Subject: "Hidden" antennas

> One of the worst problems with many "hidden" or "balcony" antennas is  
> their criminally poor efficiency. Take a look at what the FCC mandates  
your  
> landlord to do for you if you are "...tenants who have an area where they  
> have exclusive use, such as a balcony or patio, in which to install the  
> antenna."  
>  
> The URL is <http://www.fcc.gov/mb/facts/otard.html> and reading it you'll  
> see that you MUST be allowed an antenna up to 12 ft tall if you meet the  
> "exclude use" provision above. Force 12 is now selling a 20~10m vertical  
> dipole, 11ft 11in long, which has at least 90% efficiency. This antenna  
has  
> a TV yagi on the top, and can be plugged into your TV to receive local  
> channels.  
>  
> I AM NOT EMPLOYED BY FORCE 12 IN ANY CAPACITY WHATSOEVER. I DO NOT OWN ANY  
> FORCE 12 ANTENNAS. I HAVE NO PECUNIARY INTEREST WHATSOEVER IN YOUR



PURCHASE

> OF THIS OR ANY OTHER F12 ANTENNA. I KNOW NOTHING ABOUT THE ANTENNA OTHER  
> THAN WHAT I HAVE READ ON THE WEBSITE. I ALSO KNOW NOTHING ABOUT THE  
> REGULATIONS OF THE FEDERAL COMMUNICATIONS COMMISSION.  
>  
> Please forgive my shouting. I don't want you to waste time emailing me  
> only to find out I am knowledge-free. I also want to discourage mailings  
to  
> the list asking, "What's Force 12's address?"  
>  
> I simply think you should take a look at this option, IF it applies, so  
> you're not running a patio antenna that radiates only .5 of your 5.0  
watts.  
> DO NOT ASK ME ANY QUESTIONS ABOUT THIS ANTENNA. ASK FORCE 12. THEY HAVE A  
> WEBSITE. DO AN INTERNET SEARCH FOR IT.  
>  
> As always, YMMV.  
>  
> 73 Gene N7YW  
>  
>

-----  
Date: Fri, 22 Nov 2002 10:08:07 -0700  
From: "chistrask" <chistrask@earthlink.net>  
To: <genewill@ordata.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140663] Re: "Hidden" antennas  
Message-ID: <002501c29249\$bb6f59e0\$d6c59d40@ctrask>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gene,

I have heard this many times about small antennas, which is why I've been keenly interested in such things as the CFA and the EH antennas. I'm presently working on an article for QEX about multiturn loop antennas, a form of compact antennas that have dropped out of interest for a long time. Most loops are operated in a region where the efficiencies are 10% or less, and they make lousy transmitting antennas, but there is a way of designing them that yields efficiencies of 80% or more, and they are steerable just like a dipole. I've been working with these for many years now, and I finally have a design that is reproducible, and a single antenna can be used for three or four bands. If it's accepted by QEX, it will appear sometime

early next year.

Chris

```

      ,-----,
      /   What's all this   \
      / extinct stuff, anyhow? /
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      |//
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      \   "   "   \
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      \   | | | | \ '
      \   c__; c__; '---'>._

```

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [chistrask@earthlink.net](mailto:chistrask@earthlink.net)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

----- Original Message -----

From: "Gene A. Williamson" <[genewill@ordata.com](mailto:genewill@ordata.com)>

To: "Low Power Amateur Radio Discussion" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>

Sent: Friday, November 22, 2002 8:42 AM

Subject: "Hidden" antennas

> One of the worst problems with many "hidden" or "balcony" antennas is  
> their criminally poor efficiency. Take a look at what the FCC mandates  
your  
> landlord to do for you if you are "...tenants who have an area where they  
> have exclusive use, such as a balcony or patio, in which to install the  
> antenna."  
>  
> The URL is <http://www.fcc.gov/mb/facts/otard.html> and reading it you'll  
> see that you MUST be allowed an antenna up to 12 ft tall if you meet the  
> "exclusive use" provision above. Force 12 is now selling a 20~10m vertical  
> dipole, 11ft 11in long, which has at least 90% efficiency. This antenna  
has  
> a TV yagi on the top, and can be plugged into your TV to receive local  
> channels.  
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> I AM NOT EMPLOYED BY FORCE 12 IN ANY CAPACITY WHATSOEVER. I DO NOT OWN ANY

> FORCE 12 ANTENNAS. I HAVE NO PECUNIARY INTEREST WHATSOEVER IN YOUR  
PURCHASE  
> OF THIS OR ANY OTHER F12 ANTENNA. I KNOW NOTHING ABOUT THE ANTENNA OTHER  
> THAN WHAT I HAVE READ ON THE WEBSITE. I ALSO KNOW NOTHING ABOUT THE  
> REGULATIONS OF THE FEDERAL COMMUNICATIONS COMMISSION.  
>  
> Please forgive my shouting. I don't want you to waste time emailing me  
> only to find out I am knowledge-free. I also want to discourage mailings  
to  
> the list asking, "What's Force 12's address?"  
>  
> I simply think you should take a look at this option, IF it applies, so  
> you're not running a patio antenna that radiates only .5 of your 5.0  
watts.  
> DO NOT ASK ME ANY QUESTIONS ABOUT THIS ANTENNA. ASK FORCE 12. THEY HAVE A  
> WEBSITE. DO AN INTERNET SEARCH FOR IT.  
>  
> As always, YMMV.  
>  
> 73 Gene N7YW  
>  
>  
>

-----  
Date: Fri, 22 Nov 2002 11:12:51 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <n1tp@swfla.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140664] Re: KV2X Log  
Message-ID: <003801c2924a\$64e10960\$0201a8c0@fairviewtx.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Well, the obvious ploy is just to move to Texas and "join 'em!"

But, I'm not sure that we want a mass migration of local QRM - present  
company excepted, of course, Tom!

So, in the interests of self-preservation, I will reveal the Pesky  
Texan secret:

It is all in the skill and determination of the operators! We  
occasionally avail ourselves of the superior propagation that Texas

enjoys and we do exercise such God-given natural conduits as the Gulf of Mexico. But, basically, it is just raw talent!

Can't argue with results, guys! <:}

BTW, anybody know what "trash talk" is?

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

K2 #489 Icom IC-765 #2349 Icom IC-756 PRO #2121

----- Original Message -----

From: "Tom Palmer" <n1tp@swfla.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, November 22, 2002 6:56 AM

Subject: FOX: KV2X Log

> HUMMMMMMM.

>

> 51 QSOs. 13 (or 25.5%) are "Pesky Texans."

>

> What is to be done about these too often recurring revolting  
> developments?

>

> Tom, N1TP

> Naples, Florida

-----  
Date: Fri, 22 Nov 2002 12:23:06 -0500

From: "Brice D. Hornback" <bdh@cyberbound.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [140665] Re: Preparing copper clad board for Sidekick?

Message-ID: <00b301c2924b\$d2848d60\$57c809c0@win98test>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

How about a real miniature milling machine?

<http://www.cyberbound.net/clisby>

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "John Zaruba" <jzaruba@mac.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, November 22, 2002 10:26 AM

Subject: Re: Preparing copper clad board for Sidekick?

> Hi Jim,

>

> On Friday, November 22, 2002, at 04:19 AM, Jim Kortge, K8IQY wrote:

> <snip>

> > The "Cadillac" way is using the drill press with the milling table and  
> > a 1/32" cutter and milling the grooves. Time consuming for the setup,  
> > but makes wonderfully precise mounting pads for IC sockets.

>

> Is this a milling table for a standard drill press, or one for a Dremel  
> type drill press? I went looking through the Micro Mark web site, but  
> didn't find a milling table for a Dremel drill press.

>

> Thanks & 73,

>

> John AA2BN

>

-----  
Date: Fri, 22 Nov 2002 10:32:36 -0700

From: William R Colbert <w5xe@juno.com>

To: w2agn@w2agn.net, qrp-l@lehigh.edu

Subject: [140666] Re: [Re: QST Article Selection.] - QQ

Message-ID: <20021122.103238.-277017.0.w5xe@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

No John, it has apparently gotten on the slow burro  
west of the Pecos as well since it has not made it to  
El Paso. Maybe today.

73

Ray

If you know the forest, you will not fear, If you do not  
know the forest, then you will fear the forest.'Luther Standing Bear'

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2R

QRP-ARCI 5784 El Paso, (FAR WEST)TEXAS

-----  
Date: Fri, 22 Nov 2002 12:41:26 -0500  
From: "George Osier" <gosier@twcnny.rr.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [140667] D44TD ...700 mw ...28024 !!!!  
Message-ID: <000701c2924e\$61d74f00\$a634342@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello All !!!!

D44TD ..... 28024 ....BIG signal !!!!

# 125 under 1 watt for me !!!!

73s

George Osier , N2JNZ / QRP

-----  
Date: Fri, 22 Nov 2002 10:57:40 -0700  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: Qrp-l@lehigh.edu  
Subject: [140668] FOX: Quick Report from ET  
Message-ID: <3DDE0DA4.3102.30162C@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Hi, Guys--

Boy was that ever an experience-- more like 20M in the summer than 40 in the winter, but what can you do?

It started off well, but I quickly noticed that signal levels were down and I cheked to make sure I didn't have the attenuator switched in. Plenty of hounds during the first 45 minutes or so, but I could almost hear something like a curtain dropping at one point-- lots of stations calling and suddenly just a few, fairly faint. At one point near the end I got bored calling CQ so I ducked down to see if I could hear Tom, and found him with no trouble-- S7 signal into Denver, but he too was calling CQ over and over.

Rough count is 115. A quick look indicates that the distribution was pretty much "normal," that is I don't think there were any areas missed out-- got the four corners of CONUS plus AK (I think-- could have been a miscopy or wishful thinking [g])) Many thanks to everybody that called and even more (with sympathy) to those who tried and failed. Odds are condx will be better for my second run (sometime next year!) and I sure hope so!

I'll try to get the log transcribed this weekend.

Thanks again, and good luck next week!

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express and Oak Hills Research

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<http://www.MorseX.com>

<http://www.ohr.com>

(303)752-3382

--

-----  
Date: Fri, 22 Nov 2002 13:07:46 EST  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [140669] OT: HEX Beam  
Message-ID: <3a.2fe953f5.2b0fcc72@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Has anyone either purchased or built a HEX beam or used one at one time. I was interested in its performance as a beam. For those who have no idea what a HEX beam is see the site below:

<http://www.hexbeam.com/>

(No it has nothing to do with witches and warlocks)

Alan KB7MBI in Woodinville, WA

FISTS 5702 Proud member of ARRL

--- --- . . . . . --- --- DIT DIT

-----  
Date: Fri, 22 Nov 2002 13:06:58 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140670] RE: Predicting Switching PS Noise ?  
Message-ID: <721D3436A7C2B344A301FD4A413C71A91AC213@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Most of the higher-powered switchers are reasonably clean. It is the =  
little cheapies that are dirty as can be.

The Part 15 rules require that switchers be Verified by the manufacturer =  
and follow the Part 15 labelling requirements. If the switcher has a =  
label, it does at least meet the FCC conducted emissions limits. These =  
will generally "only" result in S9 interference to nearby HF receivers. =  
The unlabeled ones can be much worse.

If anyone does know of a noisy switcher that is currently available, =  
please let me know.=20

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Mike Yetzko [mailto:myetsko@insydesw.com]

> Sent: Wednesday, November 20, 2002 5:33 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Predicting Switching PS Noise ?

>=20

>=20

> > I think that the switcher is ignored because people are afraid to  
> experiment

> > with them.

> > Actually many work in the MHz range, and if you use a nice=20  
> torroid , the

> > noise is very minimal.

>=20

> Is that a typo? I know a number of switchers that work in the lower

> few 100kHz range, but never saw one even up near 1Mhz. I would



> think there would be too much radiation of energy up there.  
>=20  
> That's not to say they don't have a lot of energy up there! Most  
> switchers  
> heavily depend on square wave switching, and that means signals WELL  
> up into the MHz range, but not as primaries.  
>=20  
> And there's no reason that switchers can't be quiet. It just=20  
> took a few  
> years for engineers to figure out the design rules and apply=20  
> them to all  
> the 'tricks'.  
>=20  
> Mike  
>=20  
>=20  
>=20  
>=20  
>=20

-----  
Date: Fri, 22 Nov 2002 13:10:25 -0500  
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>  
To: John Zaruba <jzaruba@mac.com>  
Cc: qrp-1@lehigh.edu  
Subject: [140671] Re: Preparing copper clad board for Sidekick?  
Message-ID: <5.1.0.14.1.20021122130521.00a6eec0@pop.prodigy.yahoo.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:26 AM 11/22/02 -0500, you wrote:

>Hi Jim,  
>  
>On Friday, November 22, 2002, at 04:19 AM, Jim Kortge, K8IQY wrote:  
><snip>  
>>The "Cadillac" way is using the drill press with the milling table and  
>>a 1/32" cutter and milling the grooves. Time consuming for the setup,  
>>but makes wonderfully precise mounting pads for IC sockets.  
>  
>Is this a milling table for a standard drill press, or one for a Dremel  
>type drill press? I went looking through the Micro Mark web site, but  
>didn't find a milling table for a Dremel drill press.  
>  
>Thanks & 73,  
>  
>John AA2BN

Hi John,

No, my milling table is one that I purchased from Sears many years ago. It's quite simple; a pair of platforms with cross axis screw drives (manual) and T slots for capturing the material being milled. I haven't used it with any big milling cutters, but it is designed for that. However, drill presses are not set up for large lateral loads, so you have to be a bit careful how large the cutter is, and the sideloads being applied to the drill press spindle as the milling takes place. With 1/32" or 1/16" cutters, it's not problem. If the side loads are too large, the cutter snaps off, saving the drill press bearings! :-)

Some of the Chinese inport machine tool sellers like Harbor Freight Tools and Grizzly may carry something like I have. Sears might also still be selling something too.

72 and GL,

Jim, K8IQY

-----  
Date: Fri, 22 Nov 2002 13:27:06 -0500  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: w2agn@w2agn.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140672] Re: FOX: KV2X Log  
Message-ID: <3DDE76FA.6050500@rochester.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

A #47 lamp would work just as well for a fraction of the cost of something like a CFA - and add some entertainment value as well.

Al, K2ZN

W2AGN wrote:

>On 22 Nov 2002 at 9:18, Bruce Rattray wrote:

>

>

>

>>On Fri, 22 Nov 2002, W2AGN wrote:  
>>  
>>  
>>  
>>>I prefer a rule requiring Texans to use only an "EH" antenna.  
>>>  
>>>---  
>>>+---+---+---+---+ John L. Sielke  
>>>|W||2||A||G||N| http://www.w2agn.net [UPDATED]  
>>>+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS  
>>>  
>>>  
>>>  
>>...how about dummy loads?....heh,heh...72 - Bruce (VE5RC+VE5QRP)  
>>  
>>  
>>  
>>  
>Same thing.  
>  
>  
>---  
>+---+---+---+---+ John L. Sielke  
>|W||2||A||G||N| http://www.w2agn.net [UPDATED]  
>+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS  
>  
>  
>

-----  
Date: Fri, 22 Nov 2002 10:28:06 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@lehigh.edu>  
Subject: [140673] Chuck Adams Method of Preparing IC Pads  
Message-ID: <008301c29254\$eb3f5660\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

When we kitted the SideKick, we include a 1/2" strip of pcboard to make IC pads from. Chuck Adams came up with the following method. He uses an aluminum hobby miterbox made by Exacto or Zona. Here is the Zona model number: LXLH69 Zona Aluminum Miter Box for \$7.99. You can see a picture and order one online at:

<http://www2.towerhobbies.com/cgi-bin/WTI0095P?FVSEARCH=miter+box&FVPROFIL=++>

You will also need a miniature hack saw with a blade that has 32 tpi. These are available at Orchard Supply, Home Depot, Lowe's etc. Or you can order one from Tower Hobbies. Do a search on Hack saw and look for 35-650 Zona Junior Hack Saw. It comes with a 32 TPI blade, and also costs \$7.99. You can order #LXLH88 Zona Hack Saw Blade 32T/in (3) which is a package of 3 extra blades at 32 tpi for \$1.70. Note that the Junior Hack Saw Blades are much thinner than a regular hack saw blade.

With these tools, you are now ready to produce excellent quality IC pads. Here is how you do it.

Step 1. Make sure that the end of the 1/2" strip is square. Place the strip in the miterbox and cut it square by cutting off about 1/8" using the Junior Hack Saw.

Step 2. Take the 8 pin IC socket, and use it as a gauge. Place the end pin flush with the squared off end of the pc board strip. Now mark where each pin is on the pc strip. This will give you 3 marks. Next, move the IC so that the first pin is now on the first mark, and place a mark at the last pin, giving you your fourth mark.

Step 3. Making the cuts. Use the hacksaw to barely cut through the copper on the first 3 marks. Try not to cut too much fiberglass. Make sure that you hold the pc strip tight against the side of the miter box. When you finish the cuts use a volt ohm meter to make sure that you do not have continuity between pads. The next cut is on the 4th mark. Cut clear through the pc board, and you will now have a .4" x .5" piece with 4 islands on it. Rotate this piece 90 degrees and center it on the miterbox, so that the next cut will be perpendicular to the first 3 cuts, and will divide the islands in half. Barely cut through the copper, and check with the VOM for no continuity on all 8 pads. Voila, you have a neat IC pad.

Comments: I find it easier to use the strip and cut off the pad after making the islands, as it is much easier to hold. I have successfully used this method to make pads for 16 pin IC's with .1" spacing. Thanks to Chuck Adams for showing me this method. This is another case where having the right tools makes a job so much easier. Jim Kortge is right, milling them is the Cadillac method, but the Adams method is much cheaper and produces a fine looking pad. Hope this helps all of you. 72, Doug

-----  
Date: Fri, 22 Nov 2002 10:29:05 -0800  
From: Scott Gregson <emtech@steadynet.com>

To: qrp-l <qrp-l@lehigh.edu>  
Subject: [140674] Re: QRP+ mixer SBL-1 replacement?  
Message-ID: <3DDE7771.3090405@steadynet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Thank you for the replies so-far. I have posted them to the QRP+ forum listed below. You can browse that forum as a guest.

Scott Gregson wrote:

> I just got an inquiry about replacing the SBL-1 mixer on the QRP+. I  
> think I remember that the preferred method was to disassemble the mixer  
> in place and solder the new mixer onto the pins of the old mixer. This  
> was the preferred method because the board is multilayered and it is  
> difficult to remove the old part without ruining the board.  
>  
> If someone has done this, or had obtained that information from Stan  
> Yarema (or whoever came up with the method) could you please respond  
> with that information or post it directly to the QRP+ forum at:  
> <http://emtech.steadynet.com/qrpplus>  
>  
> If you have photos I will post those if you send them to me. I will  
> begin looking through what information I have to see if I can find  
> anything.  
>  
> Thanks,  
> ~Scott  
>  
>  
>  
>  
>  
>

-----  
Date: Fri, 22 Nov 2002 10:47:46 -0800  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140675] Re: FOX: KV2X Log  
Message-ID: <006501c29257\$a64efe40\$94bfb2d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

well, you have to be somewhat fair, why not make them use the "Miracle Whip"!!! ;-)

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: Al Scanandoah <k2zn@rochester.rr.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Friday, November 22, 2002 10:27 AM

Subject: Re: FOX: KV2X Log

> A #47 lamp would work just as well for a fraction of the cost of  
> something like a CFA - and add some entertainment value as well.

>

> Al, K2ZN

>

> W2AGN wrote:

>

> >On 22 Nov 2002 at 9:18, Bruce Rattray wrote:

> >

> >

> >

> >>On Fri, 22 Nov 2002, W2AGN wrote:

> >>

> >>

> >>

> >>>I prefer a rule requiring Texans to use only an "EH" antenna.

> >>>

> >>>---

> >>>+---+---+---+---+ John L. Sielke

> >>>|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]

> >>>+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

> >>>

> >>>

> >>>

> >>...how about dummy loads?....heh,heh...72 - Bruce (VE5RC+VE5QRP)

> >>

> >>

> >>

> >>

> >Same thing.

> >

> >

> >---

> >+---+---+---+---+ John L. Sielke

> >|W||2||A||G||N|           http://www.w2agn.net [UPDATED]  
> >+---+---+---+---+       Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS  
> >  
> >  
> >  
>  
>

-----  
Date: Fri, 22 Nov 2002 11:55:54 -0700  
From: "Bert Herald" <wf7i@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [140676] New Small Wonder's kit group on Yahoo!  
Message-ID: <F104JLOA2pHOaBF23Cf00008559@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi QRP'ers.

I just created a new Yahoo! web group called "SWkits". You can reach the group by using the following link:

<http://groups.yahoo.com/group/SWkits/>

Use the instructions there for subscribing. You'll need an account on Yahoo! and then I'll have to approve your membership request.

I'm just starting up this group, so if anyone has some good web links, pictures, or other info about the SW kits, please pass them along to me or subscribe to the group and post 'em!

Thanks and 73s!

Bert WF7I

-----  
The new MSN 8: advanced junk mail protection and 2 months FREE★  
<http://join.msn.com/?page=features/junkmail>

-----  
Date: Fri, 22 Nov 2002 11:58:40 -0700

From: "Bert Herald" <wf7i@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [140677] New Small Wonder's kit group on Yahoo!  
Message-ID: <F147AsKcpIz97nJ0ys600025f77@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

One more item. This group is primarily for the SW-20, SW-30, etc. style kits, although feel free to discuss any of the others. There is, however, another Yahoo! group for the SW Rock Mite kit already.

73s!

Bert

---

MSN 8 with e-mail virus protection service: 2 months FREE\*  
<http://join.msn.com/?page=features/virus>

---

Date: Fri, 22 Nov 2002 14:05:14 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140678] Re: W1RFI promotes QRP -- again! :-)  
Message-ID: <3DDE7FEA.9CB29A96@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nice job Ed.

Next time how about wearing your Flying Pig t-shirt!

73,  
Paul K4FB

---

Date: Fri, 22 Nov 2002 11:15:28 -0800  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: elecraft@mailman.qth.net, QRP-L <qrp-l@lehigh.edu>,  
GQRP <gqrp@groups1.vip.scd.yahoo.com>  
Subject: [140679] Elecraft K2/100 CQ Mag. Review Available (.pdf)  
Message-ID: <3DDE8250.6E296655@elecraft.com>  
MIME-Version: 1.0



Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

CQ Magazine has just given us their November 2002 review of the K2/100 in .pdf format. You can download it from the Elecraft web page at:

[http://www.elecraft.com/TechNotes/CQ\\_K2\\_100\\_Review.pdf](http://www.elecraft.com/TechNotes/CQ_K2_100_Review.pdf)

73, Eric WA6HHQ  
<http://www.elecraft.com>

-----  
Date: Fri, 22 Nov 2002 20:16:44 +0100  
From: "Sverre Holm - LA3ZA" <la3za@qsl.net>  
To: <n8ie@woh.rr.com>,  
    "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [140680] RE: [CQ WW DX CW Contest this weekend!]  
Message-ID: <001301c2925b\$b31b3860\$8e00a8c0@Master>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="us-ascii"  
Content-Transfer-Encoding: 7bit

OK, this was really my question, do the 'Big Guns' get fewer points if I work them without submitting a log. Is the log cross checking really that strict?

73 Sverre LA3ZA  
[www.qsl.net/la3za](http://www.qsl.net/la3za)

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]  
> On Behalf Of Emmerson Bigguns  
>  
> Sverre and all,  
> By all means submit a log to any contest you run. Even if  
> it's only a few contacts, this could mean a big difference  
> for the "Big Guns" and who knows, you just might win your section.  
>

-----  
Date: Fri, 22 Nov 2002 14:17:36 -0500  
From: W2AGN <w2agn@w2agn.net>  
To: kg6cyn@earthlink.net,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140681] Re: FOX: KV2X Log  
Message-ID: <3DDE3C80.29555.4A7810D@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 22 Nov 2002 at 10:47, Trevor Jacobs wrote:

```
> well, you have to be somewhat fair, why not make them use the "Miracle
> Whip"!!! ;-)
>
> > >>
> > >>>I prefer a rule requiring Texans to use only an "EH" antenna.
> > >>>
> > >>>---
> > >>>+---+---+---+---+ John L. Sielke
> > >>>
> > >>...how about dummy loads?....heh,heh...72 - Bruce (VE5RC+VE5QRP)
> > >>
> > >>
> > >>
> > >Same thing.
> > >
> > >
```

Still same thing.....

---

```
+---+---+---+---+ John L. Sielke
|W||2||A||G||N|      http://www.w2agn.net [UPDATED]
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS
```

-----

Date: Fri, 22 Nov 2002 12:36:11 -0700  
From: "John McClain" <digi2@earthlink.net>  
To: <bdh@cyberbound.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140682] Re: Preparing copper clad board for Sidekick?  
Message-ID: <001d01c2925e\$69f2dbe0\$6501a8c0@phoenix.speedchoice.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey, I like that milling machine but I ended up going to ACE hardware where I purchased a \$35.00 2 speed Dremel tool and got a \$10.00 mail-in rebate (I hate those). The Dremel does an OK job but you need a very steady hand.

John  
K7SVV  
k7svv@arrl.net  
K1 #1378, K2 #2569, SST 20, Rock Mite 20, Rock Mite 40, Nor'Easter

----- Original Message -----

From: "Brice D. Hornback" <bdh@cyberbound.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, November 22, 2002 10:23 AM  
Subject: Re: Preparing copper clad board for Sidekick?

> How about a real miniature milling machine?

>

> <http://www.cyberbound.net/clisby>

>

> 73/72/71! de Brice KA8MAV

>

> ----- Original Message -----

> From: "John Zaruba" <jzaruba@mac.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Friday, November 22, 2002 10:26 AM  
> Subject: Re: Preparing copper clad board for Sidekick?

>

>

> > Hi Jim,

> >

> > On Friday, November 22, 2002, at 04:19 AM, Jim Kortge, K8IQY wrote:

> > <snip>

> > > The "Cadillac" way is using the drill press with the milling table and

> > > a 1/32" cutter and milling the grooves. Time consuming for the setup,

> > > but makes wonderfully precise mounting pads for IC sockets.

> >

> > Is this a milling table for a standard drill press, or one for a Dremel

> > type drill press? I went looking through the Micro Mark web site, but

> > didn't find a milling table for a Dremel drill press.

> >

> > Thanks & 73,

> >  
> > John AA2BN  
> >

-----  
Date: Fri, 22 Nov 2002 11:48:41 -0800  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: <wf7i@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140683] Re: New Small Wonder's kit group on Yahoo!  
Message-ID: <008001c29260\$28d5a140\$94bfb2d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bert,

Did you get Dave's permission to do this? He may have objection to the use of the name. Plus as was mentioned the last time this came up, why do we need another splinter group? I'm sure that most people on the list including myself would like to see this content here.

Speaking of Yahoo, that's a good place to go if you want your e-mail address available for anyone to mail you spam. Since I quit all of the Yahoo groups I was in, and changed my e-mail address, I only get 1 or 2 a week.

73's Trev KG6CYN  
<http://home.earthlink.net/~kg6cyn>  
<http://www.qsl.net/kg6cyn>

----- Original Message -----  
From: Bert Herald <wf7i@hotmail.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Friday, November 22, 2002 10:58 AM  
Subject: New Small Wonder's kit group on Yahoo!

> One more item. This group is primarily for the SW-20, SW-30, etc.  
style  
> kits, although feel free to discuss any of the others. There is,  
however,  
> another Yahoo! group for the SW Rock Mite kit already.  
>

> 73s!

>

> Bert

>

>

> -----  
> MSN 8 with e-mail virus protection service: 2 months FREE\*

> <http://join.msn.com/?page=features/virus>

>

-----  
Date: Fri, 22 Nov 2002 11:50:34 -0800

From: George Fremin III - K5TR <geoiiii@kkn.net>

To: Sverre Holm - LA3ZA <la3za@qsl.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [140684] Re: [CQ WW DX CW Contest this weekend!]

Message-ID: <20021122195034.GA10482@kkn.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

On Fri, Nov 22, 2002 at 08:16:44PM +0100, Sverre Holm - LA3ZA wrote:

> OK, this was really my question, do the 'Big Guns' get fewer points if I

> work them without submitting a log. Is the log cross checking really

> that strict?

>

No - they will get credit for your QSOs.

It would be great if you did send in your log though - the more logs submitted the better.

I hope you are able to work lots of stations this weekend.

There sure are a ton of countries on this weekend with

major efforts.

<http://www.cpcug.org/user/wfeidt/Misc/cqc2002.html>

--

George Fremin III - K5TR

geoiiii@kkn.net

<http://www.kkn.net/~k5tr>

-----

Date: Fri, 22 Nov 2002 12:00:47 -0800 (PST)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: "Li'l Piggies" <fpqrp-1@mpna.com>, QRP-1 <qrp-1@lehigh.edu>,  
SOC AList <soc@mailman.qth.net>  
Subject: [140685] Help - oil burner RFI  
Message-ID: <20021122200047.91345.qmail@web41005.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

My shack is on the next floor up from our oil burner,  
and while it's on "burn," there's some bothersome QRN  
generated. How can I fix this? All suggestions  
welcome. Thanks!

=====

73, 72 es oo, Lloyd, K3ESE  
K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr  
ARRL - ARS #1301 - FISTS #8774  
FPqrp #476 - QRParci #11147  
QRP-L #2415 - SOC #530  
HGT #6'1 - Wgt #190 - BT #B-  
dit dididit dit

-----  
Do you Yahoo!?  
Yahoo! Mail Plus Powerful. Affordable. Sign up now.  
<http://mailplus.yahoo.com>

-----  
Date: Fri, 22 Nov 2002 15:01:55 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: "William K. Hibbert (Keith)" <wb2vuo@juno.com>  
Cc: QRP List <qrp-1@lehigh.edu>  
Subject: [140686] Re: No Excuses Traqnsceiver  
Message-ID: <20021122141000.H7281-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Keith,

Thank you for the comments. It is good to know that others share the same  
thoughts. You just said what I was thinking, only more eloquently.

I think it is important to see it as another Homebrewing/QRP Article in a  
major Ham Radio Publication, rather than it is not a professional grade  
project as we have become used to expect from our Club Publications.

I am personally pleased to see the article. I look at it as a different and more simplistic approach to a construction project.

I noticed the complaints about the "Bobbin Forms" vs "Toroids", but did any of you notice that they also provided a nice chart showing the relationships between the number of turns, wire size and inductance.

When I first read the objection about the "New Home Bobbins", I was thinking they were the old Metal type bobbins used in sewing. That might have caused some surprising results. OTOH, the Bobbins used are the Plastic types now available quite readily and cheap at nearly any sewing or craft store.

Overall, I am rather impressed with the article. It has several types of construction shown as well as what appear to be readily available components. If you look closely at the photographs, you will see quite a difference in the choices. The Manhattan Version looks like it may have come out of some of my Coffee Cans in storage. :^} Some of the older builders will recognize the components of which I speak. Hint APC, & Mica Caps.

Also thoughtful was the addition of the FET Tester (fig.4) and the Mods. for 30 Meters.

In regard to the fact that it does not contain Electronic Switching and other advanced features did not matter that much to me. If I wanted a fancy modern rig, I would just order a SWL Kit, or Elecraft K2/K1, etc.

The new NC30 Kit would likely be my choice for 30M, but that is not what this is all about. It is about introducing NON-QRPers to Homebrewing and QRPing.

What would be nice, is to see a follow-up article with Modifications and other improvements to it as well as a few words on where to learn more about the fun that we have with QRP and Homebrewing.

Yes, and a little Chart with the "Toroid" Substitution data, and maybe a list of Other Component Choices.

The Solid State keying/muting etc with a "Tick" keyer would also be nice.

I believe NoGA QRP Club has a kit for that already. There may also be others.

Another final thought, Maybe everyone dosen't want a Transceiver. Some times we might desire to use the TX in conjunction with a High Grade Receiver. It is the old story of "If you can't hear them, you can't work

them!"

O.K. I have rambled on long enough. The bottom line is that I like the Article. Thanks to QST and the Author for a fine job.

QRPp Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,  
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations Accepted.

RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Fri, 22 Nov 2002 13:18:54 -0700  
From: "John McClain" <digi2@earthlink.net>  
To: <wf7i@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140687] Re: New Small Wonder's kit group on Yahoo!  
Message-ID: <005b01c29264\$6274c580\$6501a8c0@phoenix.speedchoice.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I thought we had discussed this a while back and most everyone felt that it would be best to keep everything right here on QRP-L? I for one cancelled all of my Yahoo Group subscriptions earlier this year



when Yahoo decided to sell my e-mail address along with everyone else's even though we had specifically checked the 'NO' box in our profiles.

John  
K7SVV  
k7svv@arrl.net  
K1 #1378, K2 #2569, SST 20, Rock Mite 20, Rock Mite 40, Nor'Easter

----- Original Message -----

From: "Bert Herald" <wf7i@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, November 22, 2002 11:55 AM  
Subject: New Small Wonder's kit group on Yahoo!

> Hi QRP'ers.  
>  
> I just created a new Yahoo! web group called "SWkits". You can reach the  
> group by using the following link:  
>  
> <http://groups.yahoo.com/group/SWkits/>  
>  
> Use the instructions there for subscribing. You'll need an account on  
on  
> Yahoo! and then I'll have to approve your membership request.  
>  
> I'm just starting up this group, so if anyone has some good web links,  
> pictures, or other info about the SW kits, please pass them along to me or  
> subscribe to the group and post 'em!  
>  
> Thanks and 73s!  
>  
> Bert WF7I  
>  
>  
>  
>  
> -----  
> The new MSN 8: advanced junk mail protection and 2 months FREE\*  
> <http://join.msn.com/?page=features/junkmail>  
>

-----  
Date: Fri, 22 Nov 2002 15:42:27 -0500  
From: "Robin Kidd" <robink@us.ibm.com>  
To: qrp-1@lehigh.edu  
Subject: [140688] FS: Ten-Tec Scout 555 With Modules  
Message-ID: <0FEC11C12E.9147BBE7-ON85256C79.00712F15@boulder.ibm.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

I have a Ten-Tec Scout for sale. It includes the modules for 80M,40M,30M,20M,17M,15M and 10M. In addition I will include a Ten-Tec tuner Model 291. The Scout also has the mobile mountin bracket and microphone. I am asking \$425 for everything shipped and insured to CONUS. I will consider trades for QRP rigs, kits and/or equipment. Also looking for a SSB filter for an IC-706MKIIG.

72/73s,

Robin

Remember, the Ark was created by inspired amateurs but the Titanic was created by professionals...

Internet: robink@us.ibm.com

-----  
Date: Fri, 22 Nov 2002 15:40:11 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: k3chp@erols.com,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140689] Re: Lost Time?  
Message-ID: <5.2.0.9.2.20021122153915.01e213e8@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Interesting! And something I would never have thought of. Thanks Joe.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
Date: Fri, 22 Nov 2002 15:56:43 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140690] RE: W1RFI promotes QRP -- again! :-)  
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ECE4B@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Oh, to my great shame, I never did pick up a Piggies T shirt. I am no =  
shrimp, but they didn't seem to have one in my size! :-)

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----  
> From: Paul Womble [mailto:pwomble1@tampabay.rr.com]  
> Sent: Friday, November 22, 2002 2:05 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: W1RFI promotes QRP -- again! :-)  
>=20  
>=20  
> Nice job Ed.  
>=20

> Next time how about wearing your Flying Pig t-shirt!

>=20

> 73,

> Paul K4FB

>=20

>=20

-----  
Date: Fri, 22 Nov 2002 15:01:54 -0600  
From: Glen Reid <k5fx@arrl.net>  
To: digi2@earthlink.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140691] Re: New Small Wonder's kit group on Yahoo!  
Message-ID: <3DDE9B42.AD9C85C8@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I too am concerned about the fragmentation of the QRP group by the proliferation of "specialized" email lists. The SW Labs list, focuses on exactly the kind of information that I want to see on THIS list.

If I am not interested in a particular subject...that is what the "DELETE" key is for. If there are enough "uninteresting" (at least to me) posting on a subject, I will set up a mail filter for that subject.

Of course, I will not dictate to anyone certain course of action, we all have free will. But, I will request that before you set up a new "splinter" list...please consider if that action will contribute to the general good of the QRP community or simply fragment it further and impede communications within the group.

73,

--

GLEN (Just Call Me "Buck") REID  
...in the beautiful hill country of TEXAS...  
Email: k5fx@arrl.net

"The difference between genius and stupidity is that genius has its limits"

-----  
Date: Fri, 22 Nov 2002 13:05:04 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-l@lehigh.edu>

Cc: <WA6GER@aol.com>  
Subject: [140692] NorCal Toroid and NorCal NorEaster Kits all spoken for.  
Message-ID: <001501c2926a\$d7204480\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys all of the toroid kits and the NorEaster kits have been spoken for.  
Thank you for your interest. 72, Doug, KI6DS

-----  
Date: Fri, 22 Nov 2002 13:06:16 -0800 (PST)  
From: Bill ROWLETT <kc4atu@yahoo.com>  
To: wf7i@hotmail.com,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140693] Re: New Small Wonder's kit group on Yahoo!  
Message-ID: <20021122210616.4282.qmail@web14208.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Why in the world do you people keep making splinter  
groups. This is where any and all post about anything  
QRP belongs.

-----  
Do you Yahoo!?  
Yahoo! Mail Plus Powerful. Affordable. Sign up now.  
<http://mailplus.yahoo.com>

-----  
Date: Fri, 22 Nov 2002 16:12:58 -0500  
From: "w8diz" <w8diz@fpqrp.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140694] Keeping QRP related stuff here on QRP-L  
Message-ID: <001c01c2926b\$ef0e1a30\$b8cf1d41@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hi Gang,

I started a YAHOO GROUP for the multiPIG+ project for three reasons:

1. When you see the yahoo group name [MULTIPIGPLUS] in the subject line, the email recipient will be less likely to inadvertently delete the message as that person subscribed to a specific subject mater. How often do we read emails where the subject line has nothing to do with the body of the email.
2. It is a great tool to be able to share files, drawings and other files using the STORAGE at YAHOO.
3. I did not want to receive general complaint from some folks saying that the MP+ is not general QRP enough to be sending emails to QRP-L when only 50 +/- folks are building the project. How often have we heard complaints about FOX hunts. I guess we could place [MULTIPIGPLUS] in the subject line.

Hmmmm....maybe I solved a problem :-)

I would be glad to use QRP-L to disseminate information to the multiPIG builders and possibly other silent observers.

comments? flames? suggestions?

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
<http://kitsandparts.com>

-----  
Date: Fri, 22 Nov 2002 16:14:59 -0500  
From: "w8diz" <w8diz@fpqrp.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140695] Re: NorCal Toroid and NorCal NorEaster Kits all spoken for.  
Message-ID: <003001c2926c\$37898d80\$b8cf1d41@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, November 22, 2002 4:05 PM  
Subject: NorCal Toroid and NorCal NorEaster Kits all spoken for.

> Guys all of the toroid kits and the NorEaster kits have been spoken for.

> Thank you for your interest. 72, Doug, KI6DS

and if you need any more, I have thousands <big grin>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W  
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400  
<http://kitsandparts.com>

-----  
Date: Fri, 22 Nov 2002 15:20:52 -0600  
From: "KD5NWA" <KD5NWA@mbayona.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140696] RE: New Small Wonder's kit group on Yahoo!  
Message-ID: <ODEHLGCFKOMOKMFFMBCLGEIECCAA.KD5NWA@MBayona.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Most people want their 15 minutes of fame, no matter what the cost, but also, sometimes people get stumped on very hard on this list because someone else thinks that that subject is inappropriate, like this email (Hi).

Cecil  
KD5NWA

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Bill ROWLETT  
Sent: Friday, November 22, 2002 3:06 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: New Small Wonder's kit group on Yahoo!

Why in the world do you people keep making splinter groups. This is where any and all post about anything QRP belongs.

-----  
Do you Yahoo!?  
Yahoo! Mail Plus    Powerful. Affordable. Sign up now.  
<http://mailplus.yahoo.com>

-----  
Date: Fri, 22 Nov 2002 16:28:59 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: w1rfi@arrl.org,  
    "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140697] RE: W1RFI promotes QRP -- again! :-)  
Message-ID: <5.2.0.9.2.20021122162734.01e921a0@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

With a call like 'RFI how could you run anything BUT QRP!!!

At 03:56 PM 2002-11-22, Hare,Ed, W1RFI wrote:  
>Oh, to my great shame, I never did pick up a Piggies T shirt. I am no  
>shrimp, but they didn't seem to have one in my size! :-)  
>  
>73,  
>Ed Hare, W1RFI  
>ARRL Lab  
>225 Main St  
>Newington, CT 06111  
>Tel: 860-594-0318  
>Internet: w1rfi@arrl.org  
>Web: <http://www.arrl.org/tis>  
>

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
Date: Fri, 22 Nov 2002 15:25:46 -0600  
From: "KD5NWA" <KD5NWA@mbayona.com>



To: <qrp-1@lehigh.edu>, <llachow@yahoo.com>  
Subject: [140698] RE: Help - oil burner RFI  
Message-ID: <ODEHLGCFKOMOKMFFMBCLMEIECCAA.KD5NWA@MBayona.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

The igniter on the furnace is your basic spark gap transmitter, a good surge suppressor on the power at the igniter might help, by not allowing the power lines to be used as an antenna.

Cecil  
KD5NWA

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of  
Lloyd Lachow  
Sent: Friday, November 22, 2002 2:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: Help - oil burner RFI

My shack is on the next floor up from our oil burner,  
and while it's on "burn," there's some bothersome QRN  
generated. How can I fix this? All suggestions  
welcome. Thanks!

=====

73, 72 es oo, Lloyd, K3ESE  
K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr  
ARRL - ARS #1301 - FISTS #8774  
FPqrp #476 - QRParci #11147  
QRP-L #2415 - SOC #530  
HGT #6'1 - Wgt #190 - BT #B-  
dit dididit dit

-----  
Do you Yahoo!?  
Yahoo! Mail Plus Powerful. Affordable. Sign up now.  
<http://mailplus.yahoo.com>

-----  
Date: Fri, 22 Nov 2002 21:26:40 -0000  
From: "Leon Heller" <leon\_heller@hotmail.com>

To: "Low Power" <qrp-1@lehigh.edu>  
Subject: [140699] Simplest PIC programmer?  
Message-ID: <DAV29tEvzoxJ6sJ9amq0000421c@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'll shortly be doing some interesting PIC software development for a client. Since I haven't touched a PIC for about 18 months, I thought I'd get a bit of experience with the latest software tools using the 16F84 and 16F628. I seem to have lost my original programmer for these devices (Michael Covington's NOPPP) so I looked around for the simplest programmer I could find. The JDMprog serial port programmer seemed to fit the bill (two NPN BJTs, two resistors, two zeners, four 1N4148 diodes, and a couple of capacitors). As it generates its supply voltages from the RS-232 pins, it is completely self-contained, into the bargain.

It's supported by Bonny Gijzen's excellent ICPROG programming software, which I haven't used before:

<http://www.ic-prog.com/>

A link to the JDMprog schematic is provided on Bonny's web site.

I've designed a little PCB for this programmer, which is very easy to make at home. It's nice and compact (2.25" by 2"), single-sided, with nine wire links. If anyone else wants to make one, I'll have the details on my web site in a day or two. The original JDMprog unit used a 25 way connector, I've substituted a 9 way part.

73, Leon

--

Leon Heller, G1HSM  
[leon\\_heller@hotmail.com](mailto:leon_heller@hotmail.com)  
[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----

Date: Fri, 22 Nov 2002 15:49:50 -0600  
From: Karl Kanalz <kkanalz@gcecisp.com>  
To: "'KD5NWA@mbayona.com'" <KD5NWA@mbayona.com>,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140700] RE: Help - oil burner RFI & An Alternative  
Message-ID: <01C2923E.D21340E0@KKANALZ>

Alternatively, Lloyd, consider turning off your furnace when you're operating and put on a sweater!

It will have the side benefit of lowering your fuel bill as well!

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----

From: KD5NWA [SMTP:KD5NWA@mbayona.com]  
Sent: Friday, November 22, 2002 3:26 PM  
To: Low Power Amateur Radio Discussion  
Subject: RE: Help - oil burner RFI

The igniter on the furnace is your basic spark gap transmitter, a good surge suppressor on the power at the igniter might help, by not allowing the power lines to be used as an antenna.

Cecil  
KD5NWA

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
Lloyd Lachow  
Sent: Friday, November 22, 2002 2:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: Help - oil burner RFI

My shack is on the next floor up from our oil burner,  
and while it's on "burn," there's some bothersome QRN  
generated. How can I fix this? All suggestions  
welcome. Thanks!  
73, 72 es oo, Lloyd, K3ESE

-----  
Date: Fri, 22 Nov 2002 16:01:02 -0600  
From: Karl Kanalz <kkanalz@gcecispc.com>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [140701] RE: QQ Delivery....  
Message-ID: <01C29240.62B9C820@KKANALZ>

No, Ray! It's not on a burro. It's on an armadillo ("Possum on the half-shell")  
but on its way!

Karl K - W8TIF

McKinney, Texas

-----Original Message-----

From: William R Colbert [SMTP:w5xe@juno.com]  
Sent: Friday, November 22, 2002 11:33 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: [Re: QST Article Selection.] - QQ

No John, it has apparently gotten on the slow burro west of the Pecos as well since it has not made it to El Paso. Maybe today.

73

Ray

If you know the forest, you will not fear, If you do not know the forest, then you will fear the forest.'Luther Standing Bear'  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2R  
QRP-ARCI 5784 El Paso, (FAR WEST) TEXAS

-----  
Date: Fri, 22 Nov 2002 17:06:22 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140702] RE: Help - oil burner RFI & An Alternative  
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ECE54@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Now, if he were a QRO guy, he could heat the house with the amp!

73,=20

Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Karl Kanalz [mailto:kkanalz@gcecis.com]  
> Sent: Friday, November 22, 2002 4:50 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Help - oil burner RFI & An Alternative  
>=20  
>=20  
> Alternatively, Lloyd, consider turning off your furnace when=20  
> you're operating and put on a sweater!  
>=20  
> It will have the side benefit of lowering your fuel bill as well!  
>=20  
> Karl K - W8TIF  
> McKinney, Texas  
>=20  
> -----Original Message-----  
> From: KD5NWA [SMTP:KD5NWA@mbayona.com]  
> Sent: Friday, November 22, 2002 3:26 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Help - oil burner RFI  
>=20  
> The igniter on the furnace is your basic spark gap=20  
> transmitter, a good surge  
> suppressor on the power at the igniter might help, by not=20  
> allowing the power  
> lines to be used as an antenna.  
>=20  
> Cecil  
> KD5NWA  
>=20  
> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU=20  
[mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
Lloyd Lachow  
Sent: Friday, November 22, 2002 2:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: Help - oil burner RFI

My shack is on the next floor up from our oil burner,  
and while it's on "burn," there's some bothersome QRN  
generated. How can I fix this? All suggestions  
welcome. Thanks!  
73, 72 es oo, Lloyd, K3ESE

-----

Date: Fri, 22 Nov 2002 17:05:49 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: "doctor" <doctor@arrl.org>  
Subject: [140703] RE: Help - oil burner RFI  
Message-ID: <721D3436A7C2B344A301FD4A413C71A91AC218@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Lloyd Lachow, K3ESE, writes:

>My shack is on the next floor up from our oil burner,  
>and while it's on "burn," there's some bothersome QRN  
>generated. How can I fix this?=20

In general, the furnace control circuitry should generate a few seconds =  
of spark to ignite the oil, then the spark should shut off. The oil =  
pump then keeps running, feeding the flames, as it were. The sparks are =  
usually noisy, but lasting only a very brief time.=20

If the noise lasts only a few seconds, then goes quiet, things are =  
working as they should. If the spark is running continuously when the =  
pump is running, this indicates a problem. The other possibility is =  
that the motor is making noise. You can't really look at the spark to =  
see if it is shutting off, but you may be able to do it by ear, using =  
your radio. If you hear a loud noise for a few seconds, then less noise =  
as the motor is running, the motor is shutting off and the motor is =  
indeed noisy. If it doesn't change at all from the time the motor =  
starts, then the electric spark may not be shutting off. If that is the =  
case, you should get the unit serviced, because the continuous spark =  
will ultimately burn through the electrodes. When this happens, the oil =  
will never catch fire and the house will be might cold.

What is needed is a "brute-force" type AC line filter. Some surge =  
suppressors are also "EMI" filters, but many are not. In any event, the =  
furnace is almost certainly hard wired to the electrical system, so a =  
"wired" type filter would be needed. You can purchase suitable filters =  
from Industrial Communications Engineers. See:

Industrial Communications Engineers (ICE)  
PO Box 18495  
Indianapolis, IN 46218-0495  
Tel: 317-545-5412  
800-423-2666

Fax: 317-545-9645  
<http://www.inducomm.net/>

(Al, please check into the contact info -- the URL has been down for a while.)

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)  
Web: <http://www.arrl.org/tis>

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> -----Original Message-----

> From: KD5NWA [<mailto:KD5NWA@mbayona.com>]

> Sent: Friday, November 22, 2002 4:26 PM

> To: Low Power Amateur Radio Discussion

> Subject: RE: Help - oil burner RFI

>=20

>=20

> The igniter on the furnace is your basic spark gap=20

> transmitter, a good surge

> suppressor on the power at the igniter might help, by not=20

> allowing the power

> lines to be used as an antenna.

>=20

> Cecil

> KD5NWA

>=20

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU=20

[<mailto:owner-qrp-l@Lehigh.EDU>]On Behalf Of

Lloyd Lachow

Sent: Friday, November 22, 2002 2:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: Help - oil burner RFI

My shack is on the next floor up from our oil burner,  
and while it's on "burn," there's some bothersome QRN  
generated. How can I fix this? All suggestions  
welcome. Thanks!

=3D=3D=3D=3D=3D

73, 72 es oo, Lloyd, K3ESE

K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr

ARRL - ARS #1301 - FISTS #8774

FPqrp #476 - QRParci #11147

QRP-L #2415 - SOC #530

HGT #6'1 - Wgt #190 - BT #B-

dit dididit dit

-----  
Do you Yahoo!?

Yahoo! Mail Plus Powerful. Affordable. Sign up now.

<http://mailplus.yahoo.com>

-----  
Date: Fri, 22 Nov 2002 17:12:35 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140704] RE: W1RFI promotes QRP -- again! :-)  
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ECE56@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

How I ended up with this call is a bit funny, actually. When the vanity =  
program came out, I poo-poo'd the whole idea. I didn't think of myself =  
as vain, and the thought of W1ED or W1EH didn't do a thing for me. Then =  
one night, a few HQ guys were rag chewing in the Lab (one of the sheer =  
joys of working here!) and I candidly offered my views of the vanity =  
program and said jokingly that the only call I would consider getting =  
was W1RFI (in light of all the RFI work I have done over the years). =20

I stopped in my tracks, because I realized that I really WOULD consider =



getting the call. Still, I hesitated, then in a quiet moment, I realized =  
that someday I will be an old timer, looking back on a lifetime of =  
accomplishment. At that point in my life, which would I regret more, =  
giving up KA1CV -- or not getting W1RFI when I had the chance? The next =  
day, I filled out a vanity app with one call on my list and sent it to =  
the FCC.

Now, I am still looking for the "cute" phonetics for the call. I had a =  
few suggstions -- Really Fine Individual ... and when I post on the =  
rec.radio.amateur newsgroups, it is "Real Flaming Idiot"... and a few =  
variations on same. :-)

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

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membership dues, individual contributions and the sale of publications =  
and advertising. For more information about ARRL, go to =  
<http://www.arrl.org/news/features/inside-your-league.html>. For more =  
information about membership, go to <http://www.arrl.org/join.html>. Your =  
contribution can also help support ARRL's ongoing efforts to protect =  
Amateur spectrum. Go to =  
<https://www.arrl.org/forms/development/donations/basic/> to learn more =  
about the ways you can support the ARRL programs and activities of most =  
importance to you. You can help ARRL protect Amateur Radio for you and =  
future generations to enjoy.

> -----Original Message-----  
> From: Ed Tanton [mailto:n4xy@earthlink.net]  
> Sent: Friday, November 22, 2002 4:29 PM  
> To: Hare,Ed, W1RFI; Low Power Amateur Radio Discussion  
> Subject: RE: W1RFI promotes QRP -- again! :-)  
>=20  
>=20  
> With a call like 'RFI how could you run anything BUT QRP!!!  
>=20  
> At 03:56 PM 2002-11-22, Hare,Ed, W1RFI wrote:  
> >Oh, to my great shame, I never did pick up a Piggies T=20  
> shirt. I am no=20  
> >shrimp, but they didn't seem to have one in my size! :-)  
> >

> >73,  
> >Ed Hare, W1RFI  
> >ARRL Lab  
> >225 Main St  
> >Newington, CT 06111  
> >Tel: 860-594-0318  
> >Internet: w1rfi@arrl.org  
> >Web: http://www.arrl.org/tis  
> >  
>=20  
> 73 Ed Tanton N4XY <n4xy@earthlink.net>  
>=20  
> Ed Tanton N4XY  
> 189 Pioneer Trail  
> Marietta, GA 30068-3466  
>=20  
> website: http://www.n4xy.com  
>=20  
> All emails <IN> & <OUT> checked by  
> Norton AntiVirus with AutoProtect  
>=20  
> LM: ARRL QCWA AMSAT & INDEXA;  
> SEDXC NCDXA GACW QRP-ARCI  
> OK-QRP QRP-L #758 K2 (FT) #00057  
>=20  
>=20  
>=20

-----  
Date: Fri, 22 Nov 2002 17:16:50 EST  
From: AC5JH@aol.com  
To: qrp-l@lehigh.edu  
Subject: [140705] (no subject)  
Message-ID: <1be.15459b7b.2b1006d2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

<PRE>unsubscribe AC5JH

-----  
Date: Fri, 22 Nov 2002 17:17:48 -0500 (EST)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: Lloyd Lachow <llachow@yahoo.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140706] Re: Help - oil burner RFI

Message-ID: <20021122171517.H81725-1000000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 22 Nov 2002, Lloyd Lachow wrote:

> My shack is on the next floor up from our oil burner,  
> and while it's on "burn," there's some bothersome QRN  
> generated. How can I fix this? All suggestions  
> welcome. Thanks!

I suffer from the same problem...I've tried all sorts of stuff, filters, magic incantations, smoke sifters and the like....and, in actuality, it's a lot simpler to turn the darn spark gap off for the amount of time I operate...and wear sweaters(g).

On the other hand...if someone has a source for a really good filter...then I'll try yeat another time.

Thom

|                                                                         |                                        |
|-------------------------------------------------------------------------|----------------------------------------|
| baltimoremd@baltimoremd.com                                             | Thom LaCosta K3HRN Webmaster           |
| <a href="http://www.baltimoremd.com/">http://www.baltimoremd.com/</a>   | Baltimore's Home Page                  |
| <a href="http://www.baltimorehon.com/">http://www.baltimorehon.com/</a> | Home of the Baltimore Lexicon          |
| <a href="http://www.zerobeat.net">http://www.zerobeat.net</a>           | Home of The QRP Web Ring and DrakeList |
| <a href="http://www.tlchost.net">http://www.tlchost.net</a>             | Web Hosting as low as \$3.49/month     |

-----  
Date: Fri, 22 Nov 2002 17:20:45 -0500  
From: Pete Burbank <plburbank@kih.net>  
To: qrp-l@lehigh.edu  
Subject: [140707] Furnace RFI  
Message-ID: <5.0.2.1.0.20021122171029.00a060b0@KIH.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Why does the igniter stay on once the burner is lit? Seems like it should be a one shot deal. Safety issue?

Pete NV4V

-----  
Date: Fri, 22 Nov 2002 17:32:19 -0500

From: "carl seyresdahl" <carlseye@tampabay.rr.com>  
To: <w1rfi@arrl.org>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [140708] Re: Help - oil burner RFI  
Message-ID: <00c801c29277\$051ac840\$ee014918@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It's my understanding that there are oil fired furnaces that use a form of what might be called pulse width/ pulse rate modulation of the fuel stream, thus actually reducing the total amount of fuel used. The relay circuitry for controlling the fuel valve may well be the culprit here. Find that relay, if there is one, and bypass the contacts. Just one more possibility. Talk to the folks in the furnace business about it. !! they will know all about it.

have a good day my friends !!!!

carl / kz5ca

----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, November 22, 2002 5:05 PM  
Subject: RE: Help - oil burner RFI

> Lloyd Lachow, K3ESE, writes:

>

> >My shack is on the next floor up from our oil burner,  
> >and while it's on "burn," there's some bothersome QRN  
> >generated. How can I fix this?

>

> In general, the furnace control circuitry should generate a few seconds of spark to ignite the oil, then the spark should shut off. The oil pump then keeps running, feeding the flames, as it were. The sparks are usually noisy, but lasting only a very brief time.

>

> If the noise lasts only a few seconds, then goes quiet, things are working as they should. If the spark is running continuously when the pump is running, this indicates a problem. The other possibility is that the motor is making noise. You can't really look at the spark to see if it is shutting off, but you may be able to do it by ear, using your radio. If you hear a loud noise for a few seconds, then less noise as the motor is running, the motor is shutting off and the motor is indeed noisy. If it doesn't change at all from the time the motor starts, then the electric spark may not be shutting off. If that is the case, you should get the unit serviced, because the continuous spark will ultimately burn through the electrodes. When this happens, the oil will never catch fire and the house will be might cold.

>  
> What is needed is a "brute-force" type AC line filter. Some surge suppressors are also "EMI" filters, but many are not. In any event, the furnace is almost certainly hard wired to the electrical system, so a "wired" type filter would be needed. You can purchase suitable filters from Industrial Communications Engineers. See:  
>  
> Industrial Communications Engineers (ICE)  
> PO Box 18495  
> Indianapolis, IN 46218-0495  
> Tel: 317-545-5412  
> 800-423-2666  
> Fax: 317-545-9645  
> <http://www.inducomm.net/>  
>  
> (Al, please check into the contact info -- the URL has been down for a while.)  
>  
> 73,  
> Ed Hare, W1RFI  
> ARRL Lab  
> 225 Main St  
> Newington, CT 06111  
> Tel: 860-594-0318  
> Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)  
> Web: <http://www.arrl.org/tis>  
>  
> ARRL is the National Association for Amateur Radio. It is supported by membership dues, individual contributions and the sale of publications and advertising. For more information about ARRL, go to <http://www.arrl.org/news/features/inside-your-league.html>. For more information about membership, go to <http://www.arrl.org/join.html>. Your contribution can also help support ARRL's ongoing efforts to protect Amateur spectrum. Go to <https://www.arrl.org/forms/development/donations/basic/> to learn more about the ways you can support the ARRL programs and activities of most importance to you. You can help ARRL protect Amateur Radio for you and future generations to enjoy.  
>  
>  
> > -----Original Message-----  
> > From: KD5NWA [<mailto:KD5NWA@mbayona.com>]  
> > Sent: Friday, November 22, 2002 4:26 PM  
> > To: Low Power Amateur Radio Discussion  
> > Subject: RE: Help - oil burner RFI  
> >  
> >  
> > The igniter on the furnace is your basic spark gap  
> > transmitter, a good surge

> > suppressor on the power at the igniter might help, by not  
> > allowing the power  
> > lines to be used as an antenna.

> >

> > Cecil

> > KD5NWA

> >

> > -----Original Message-----

> > From: owner-qrp-l@Lehigh.EDU

> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> Lloyd Lachow

> Sent: Friday, November 22, 2002 2:01 PM

> To: Low Power Amateur Radio Discussion

> Subject: Help - oil burner RFI

>

>

> My shack is on the next floor up from our oil burner,  
> and while it's on "burn," there's some bothersome QRN  
> generated. How can I fix this? All suggestions  
> welcome. Thanks!

>

>

> =====

> 73, 72 es oo, Lloyd, K3ESE

> K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr

> ARRL - ARS #1301 - FISTS #8774

> FPqrp #476 - QRParci #11147

> QRP-L #2415 - SOC #530

> HGT #6'1 - Wgt #190 - BT #B-

> dit dididit dit

>

>

> -----  
> Do you Yahoo!?

> Yahoo! Mail Plus Powerful. Affordable. Sign up now.

> <http://mailplus.yahoo.com>

>

-----  
Date: Fri, 22 Nov 2002 17:41:06 -0500

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [140709] RE: No Excuses Transceiver

Message-ID: <721D3436A7C2B344A301FD4A413C71A91AC219@kosh.ARRLHQ.ORG>

content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I have been watching the discussion with interest. Let me add a bit from the perspective here in the Lab. (We get to help with QST, but it really is under the control of the editors.)

Most QST articles are written by outside folks (mostly members, but that is not an absolute requirement. A few non-hams have written for QST as well). They are reviewed by an internal Editorial Committee, who occasionally draw on the Lab or ARRL's cadre of Technical Advisors for advice. The Lab looks at -- and usually tests -- most construction articles.

Usually, an article can be accepted or rejected within a month or two of its arrival (I already asked Joel about the one that seemed to be delayed; he is contacting the author). If accepted, it is not always certain as to just when it will be published. The size of QST is going to be driven by the number of pages of advertisement that is used to pay for the printing costs and although they have a pretty good idea what the advertising will be, changes do have to happen sometimes. At times I have seen the future articles stacked up for months; at other times, staff has had to write an article to fill in a hole. Most of the time, there are enough to go around.

Articles are evaluated for a number of things. Just as examples: Is it reasonably well organized? The Editors do a good job at cleaning up language and even some organization, but the articles need to be reasonably well laid out, following some logical order. Photos should be of reasonable quality. The drawings need to be a bit better than the back of a napkin, but our Graphics Arts folks do some pretty amazing things. It is timely? Of interest to hams? If we just ran two articles on the same subject, it is not likely that we will run a third. If a construction project, does it meet FCC rules? Appear to be of a reasonable design? Is it duplicatable? Can hams get the parts? This is a partial list, of course, but it gives an idea. And do note that "Is it too good and will offend advertisers" is not on the list! (That was a joke post, I assumed, but I didn't want to take any chances!)

Not every article scores 100% in all categories, and I have seen times where articles that are less than ideal are accepted and run. Sometimes, one person's "great article" is another person's dog. The important thing to the QST editors is that they have a good flow of incoming submissions to look at. Now, the editor won't want me to say this, but if you have an idea for an article, I suggest that rather than taking all the time to write it up and hope it gets accepted, put together an outline and send it to the editor ([qst@arrl.org](mailto:qst@arrl.org)) and ask if there is =

interest. Although the final decision can't be made until the actual =  
article is in hand, that does increase the likelihood that it will be =  
accepted as written.

It IS possible to publish an article in QST that has appeared in other =  
publications, ranging from club newsletters to the QRP periodicals. The =  
editors need to know where it appeared and any necessary copyright =  
issues need to be resolved. If it is accepted, a contract is signed =  
that transfers copyright of the article to ARRL. This is necessary =  
because ARRL always uses that article in its CDROM projects, may use it =  
in various Anthologies and occasionally uses the material as the basis =  
of some of its book material. The League does not have a mechanism to =  
track which articles can be used on that basis, nor does it appear =  
necessary to do so.=20

As can be found in the info at <http://www.arrl.org/qst/aguide/#qst>, =  
payment is made for QST material. This can be up to \$65 per published =  
page. While not quite enough to justify the time, it is a tangible thank =  
you that will let you take your spouse out to dinner to make up for the =  
hours spent at the keyboard.

IMHO, the best place for many of the QRP construction projects is found =  
in the various QRP magazines. QST very much appreciates QRP articles, =  
because they support ARRL's objectives to give hams interesting and =  
useful construction projects, but no issue of QST will ever come close =  
to being as QRP oriented as the QRP rags. But QST does one thing that =  
the QRP mags can't do -- it helps promote QRP to the ham who doesn't yet =  
know he or she is a QRPer! If you have a project that you want to share =  
with your QRP buddies, there are plenty of good homes for it. But if you =  
think that it is nigh time that QST ran another good QRP article, send =  
it in to QST. And, as I have pointed out, it may be possible to get the =  
best of both worlds, either by first sending it to the QRP mag then to =  
QST, or by making a QST version of the article different enough that =  
there are no copyright issues.

Now, as to some of the things I have seen here, I encourage you to offer =  
your views to the QST folks ([qst@arrl.org](mailto:qst@arrl.org)). Some could even be published =  
in Correspondence or Technical Correspondence. Rember, you will never =  
solve the puzzle by keeping all of the pieces in the box. (Overheard =  
from a couple arguing in a bar...)

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)



Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: George Gingell [mailto:k3tks@u1.abs.net]

> Sent: Friday, November 22, 2002 3:02 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: No Excuses Traqnsceiver

>=20

>=20

> Keith,

>=20

> Thank you for the comments. It is good to know that others=20

> share the same

> thoughts. You just said what I was thinking, only more eloquently.

>=20

> I think it is important to see it as another Homebrewing/QRP=20

> Article in a

> major Ham Radio Publication, rather than it is not a=20

> professional grade

> project as we have become used to expect from our Club Publications.

>=20

> I am personally pleased to see the article. I look at it as a=20

> different

> and more simplistic approach to a construction project.

>=20

> I noticed the complaints about the "Bobbin Forms" vs=20

> "Toroids", but did

> any of you notice that they also provided a nice chart showing the

> relationships between the number of turns, wire size and inductance.

>=20

> When I first read the objection about the "New Home Bobbins", I was

> thinking they were the old Metal type bobbins used in sewing.=20

> That might

> have caused some surprising results. OTOH, the Bobbins used are the

> Plastic types now available quite readily and cheap at nearly=20

> any sewing

> or craft store.

>=20

> Overall, I am rather impressed with the article. It has=20

> several types of

> construction shown as well as what appear to be readily available

> components. If you look closely at the photographs, you will=20

> see quite a

> difference in the choices. The Manhattan Version looks like=20

> it may have

> come out of some of my Coffee Cans in storage. :^} Some of the older

> builders will recognize the components of which I speak. Hint=20  
> APC, & Mica  
> Caps.  
>=20  
> Also thoughtful was the addition of the FET Tester (fig.4)=20  
> and the Mods.  
> for 30 Meters.  
>=20  
> In regard to the fact that it does not contain Electronic=20  
> Switching and  
> other advanced features did not matter that much to me. If I wanted a  
> fancy modern rig, I would just order a SWL Kit, or Elecraft=20  
> K2/K1, etc.  
>=20  
> The new NC30 Kit would likely be my choice for 30M, but that=20  
> is not what  
> this is all about. It is about introducing NON-QRPers to=20  
> Homebrewing and  
> QRPing.  
>=20  
> What would be nice, is to see a follow-up article with=20  
> Modifications and  
> other improvements to it as well as a few words on where to learn more  
> about the fun that we have with QRP and Homebrewing.  
>=20  
> Yes, and a little Chart with the "Toroid" Substitution data,=20  
> and maybe a  
> list of Other Component Choices.  
>=20  
> The Solid State keying/muting etc with a "Tick" keyer would=20  
> also be nice.  
>=20  
> I believe NoGA QRP Club has a kit for that already. There may also be  
> others.  
>=20  
> Another final thought, Maybe everyone dosen't want a Transceiver. Some  
> times we might desire to use the TX in conjunction with a High Grade  
> Receiver. It is the old story of "If you can't hear them,=20  
> you can't work  
> them!"  
>=20  
>=20  
> O.K. I have rambled on long enough. The bottom line is that=20  
> I like the  
> Article. Thanks to QST and the Author for a fine job.  
>=20  
>=20  
> QRPp Dx Tu, (C) 2002 K3TKS

>=20  
> Sir George, The First :^}  
>=20  
> 72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
> Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.  
> Gingell & Company, Ltd. Small Business Telephone Systems,=20  
> Handyman Services,  
> Commercial & Residential Locksmith Services (301) 572-6789=20  
> Office & Fax  
> George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD=20  
> 20904-7117  
> Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,  
> Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
> Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.  
>=20  
> Collector of Quartz Crystals and Telegraph Keys.  
>=20  
> Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F.=20  
> Donations Accepted.  
>=20  
> RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.  
>=20  
> Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>  
>=20  
> "72" =3D "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM  
>=20  
>=20  
>=20

-----  
Date: Fri, 22 Nov 2002 17:41:54 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140710] RE: Furnace RFI  
Message-ID: <721D3436A7C2B344A301FD4A413C71A96ECE59@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

It should not stay on. If it does, something is broken.

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St

Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----  
> From: Pete Burbank [mailto:plburbank@kih.net]  
> Sent: Friday, November 22, 2002 5:21 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Furnace RFI  
>=20  
>=20  
> Why does the igniter stay on once the burner is lit? Seems=20  
> like it should=20  
> be a one shot deal. Safety issue?  
>=20  
> Pete NV4V  
>=20  
>=20  
>=20

-----  
Date: Fri, 22 Nov 2002 17:46:09 -0500  
From: "Dave Richards" <wr3i@earthlink.net>  
To: <w2agn@w2agn.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [140711] RE: FOX: KV2X Log  
Message-ID: <FAEEKPCBNNDNKGMPBKIEFKCJAA.wr3i@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

AW Gosh!  
is it time to discuss that again? time goes fast when your having fun  
Dave

-----Original Message-----  
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
W2AGN  
Sent: Friday, November 22, 2002 9:46 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: FOX: KV2X Log

On 22 Nov 2002 at 9:29, Tom Palmer wrote:

```
> I'm proposing the following amendment to "the Rules:"
>
> "Each 'Pesky Texan' who is in the top score grouping at the
> end of the Winter Hunting Season shall automatically have
> one pelt deducted from his score."  *
>
> * The rationale behind this "Rule" is: To "level the
> playing field" by eliminating the inherent (and
> indisputable) geographic advantage enjoyed by them "Pesky
> Texans." (We won't take into account that they are GOOD
> operators).
>
> Tom, N1TP
> Naples, FL
```

I prefer a rule requiring Texans to use only an "EH" antenna.

---

```
+++++-----+ John L. Sielke
|W||2||A||G||N|      http://www.w2agn.net [UPDATED]
+++++-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS
```

-----

Date: Fri, 22 Nov 2002 18:01:34 -0500  
From: "Lee Mairs" <lmairs@direcway.com>  
To: "qrp1" <qrp-1@lehigh.edu>  
Subject: [140712] Re: Help - oil burner RFI & An Alternative  
Message-ID: <01df01c2927b\$1d80d3d0\$3b6d020a@boomer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey guys -  
This guy asked a real question, and so far the responses have been poor  
attempts at humor. How about helping him out?  
73 de Lee  
KM4YY

helped a bit.  
----- Original Message -----  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, November 22, 2002 5:06 PM  
Subject: RE: Help - oil burner RFI & An Alternative

Now, if he were a QRO guy, he could heat the house with the amp!

73,  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----  
> From: Karl Kanalz [mailto:kkanalz@gcecispc.com]  
> Sent: Friday, November 22, 2002 4:50 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Help - oil burner RFI & An Alternative  
>  
>  
> Alternatively, Lloyd, consider turning off your furnace when  
> you're operating and put on a sweater!  
>  
> It will have the side benefit of lowering your fuel bill as well!  
>  
> Karl K - W8TIF  
> McKinney, Texas  
>  
> -----Original Message-----  
> From: KD5NWA [SMTP:KD5NWA@mbayona.com]  
> Sent: Friday, November 22, 2002 3:26 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Help - oil burner RFI  
>  
> The igniter on the furnace is your basic spark gap  
> transmitter, a good surge  
> suppressor on the power at the igniter might help, by not  
> allowing the power  
> lines to be used as an antenna.  
>  
> Cecil  
> KD5NWA  
>  
> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU  
[mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
Lloyd Lachow  
Sent: Friday, November 22, 2002 2:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: Help - oil burner RFI

My shack is on the next floor up from our oil burner,  
and while it's on "burn," there's some bothersome QRN  
generated. How can I fix this? All suggestions  
welcome. Thanks!  
73, 72 es oo, Lloyd, K3ESE

-----  
Date: Fri, 22 Nov 2002 18:05:41 EST  
From: IamSF5@aol.com  
To: w1rfi@arrl.org, qrp-1@lehigh.edu  
Subject: [140713] Re: Furnace RFI  
Message-ID: <183.125293c0.2b101245@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 11/22/02 5:49:23 PM Eastern Standard Time, w1rfi@arrl.org  
writes:

>  
> > Why does the igniter stay on once the burner is lit? Seems  
> > like it should  
> > be a one shot deal. Safety issue?  
Ed is correct.  
The heat anticipator is bad.  
When the unit fires up the igniter should cycle off in about 15 seconds.  
Don't play with it unless you know your way around it.  
The electrodes will burn down to the point where the spark can't jump the gap.  
Call in a qualified tech and have it cleaned,adjusted and the part repaired or  
replaced.  
Almost all the time they need to be replaced.  
Bob  
AF2Q

-----

Date: Fri, 22 Nov 2002 18:14:15 -0500  
From: Al Scanandoah <k2zn@rochester.rr.com>  
To: w1rfi@arrl.org  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [140714] Re: Help - oil burner RFI & An Alternative  
Message-ID: <3DDEBA47.7000500@rochester.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Actually, just going "retro" should do it, especially if you've got old test equipment, too. My Tek 545 and HP606 can certainly keep the basement nice and toasty.

73 - Al, K2ZN

Hare,Ed, W1RFI wrote:

>Now, if he were a QRO guy, he could heat the house with the amp!  
>  
>73,  
>Ed Hare, W1RFI  
>ARRL Lab  
>225 Main St  
>Newington, CT 06111  
>Tel: 860-594-0318  
>Internet: w1rfi@arrl.org  
>Web: <http://www.arrl.org/tis>  
>  
>  
>

-----  
Date: Fri, 22 Nov 2002 15:42:51 -0800  
From: "William Phinizy" <k6whp@verizon.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [140715] Hy-Gain 18V-S Vertical Antenna Question (semi-long)  
Message-ID: <000501c29280\$e061f320\$0762e043@k6whp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I wanted to run this by the group mind for comment:



For some time now, I have had a Hy-Gain 18V-S. Stock from the box, it is a 17 3/4 foot vertical antenna with a base-loading inductor (max value approx. 30-40 uH). I have deployed that antenna in a number of situations with ground planes ranging from a few random wires scattered around to six or so wires cut for the band of interest (e.g., six for 40 meters at 33 feet each). At no time was I able to get what I thought was a decent match. By decent, I mean about 1.5:1 and relatively broad banded. I mean it just doesn't seem to want to behave reliably.

I realize there's much more to this than just SWR and an adequate ground. But I have had great success with verticals in the past -- dating from the time I discovered how wonderful 11 feet of emt conduit and a roll of chicken wire could be. I used to run phased verticals, verticals on my roof, and so on. Each time I home-brewed one, it worked per the manual.

This 18V-S doesn't behave. Frustrated, I stripped off the loading coil and fed the antenna from the bottom. Using an antenna analyzer (I am a real dummy with an embarrassment of toys to play with) I swore to get to the bottom of this. I reasoned that the resonant frequency of the bare-nekkid antenna would be  $234/17.75$  or 13.2 MHz. So I shortened up the antenna by lowering the top tube into the second tube until the overall length was 16.66 feet ( $234/14.04$ ). I cut some 17' radials (about four), stuck the antenna on a post in the ground and spread the radials out. When I measured the antenna, it indicated that it was resonant about 10.6 MHz.

When I added the base coil back on, no amount of adjustment of the coil could produce anything remotely resembling what the HyGain folks claimed it would do -- on any band.

Question #1: What gives?

Question #2: Anyone have any experience with the 18V-S?

Question #3: Anyone have any good \*simple\* theory on base-loaded verticals?

Thanks for enduring my stupidity and thanks for any information that will illuminate the darkness here.

72.

Bill, K6WHP

-----  
End of QRP-L Digest 2747

\*\*\*\*\*  
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